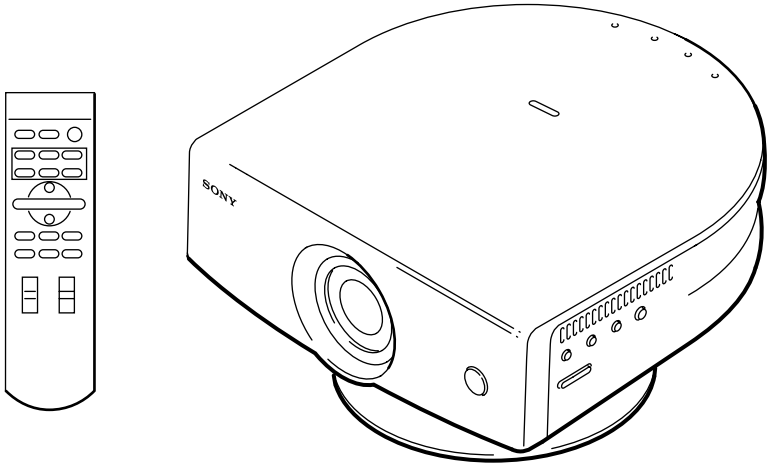
SERVICE MANUAL

MODEL	DEST.
VPL-HS2	WORLD

MODEL	DEST.
RM-PJHS2	WORLD
VPLL-CW20	WORLD
SU-HS2	WORLD

REVISED-1



VPL-HS2	Video Projector
VPLL-CW20	Projection Lens (Not Included)
SU-HS2	Projector Stand (Not Included)
RM-PJHS2	Remote Commander

VIDEO PROJECTOR

SONY

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D’ÉVITER TOUT RISQUE D’ÉLECTROCUTION PROVENANT D’UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D’ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L’ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D’UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

For the customers in the Netherlands
Voor de klanten in Nederland

Hoe u de batterijen moet verwijderen, leest u in de tekst van deze handleiding.

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).

Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert “Batterie leer” oder nach längerer Gebrauchsdauer der Batterien “nicht mehr einwandfrei funktioniert”. Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

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Printed Wiring Boards

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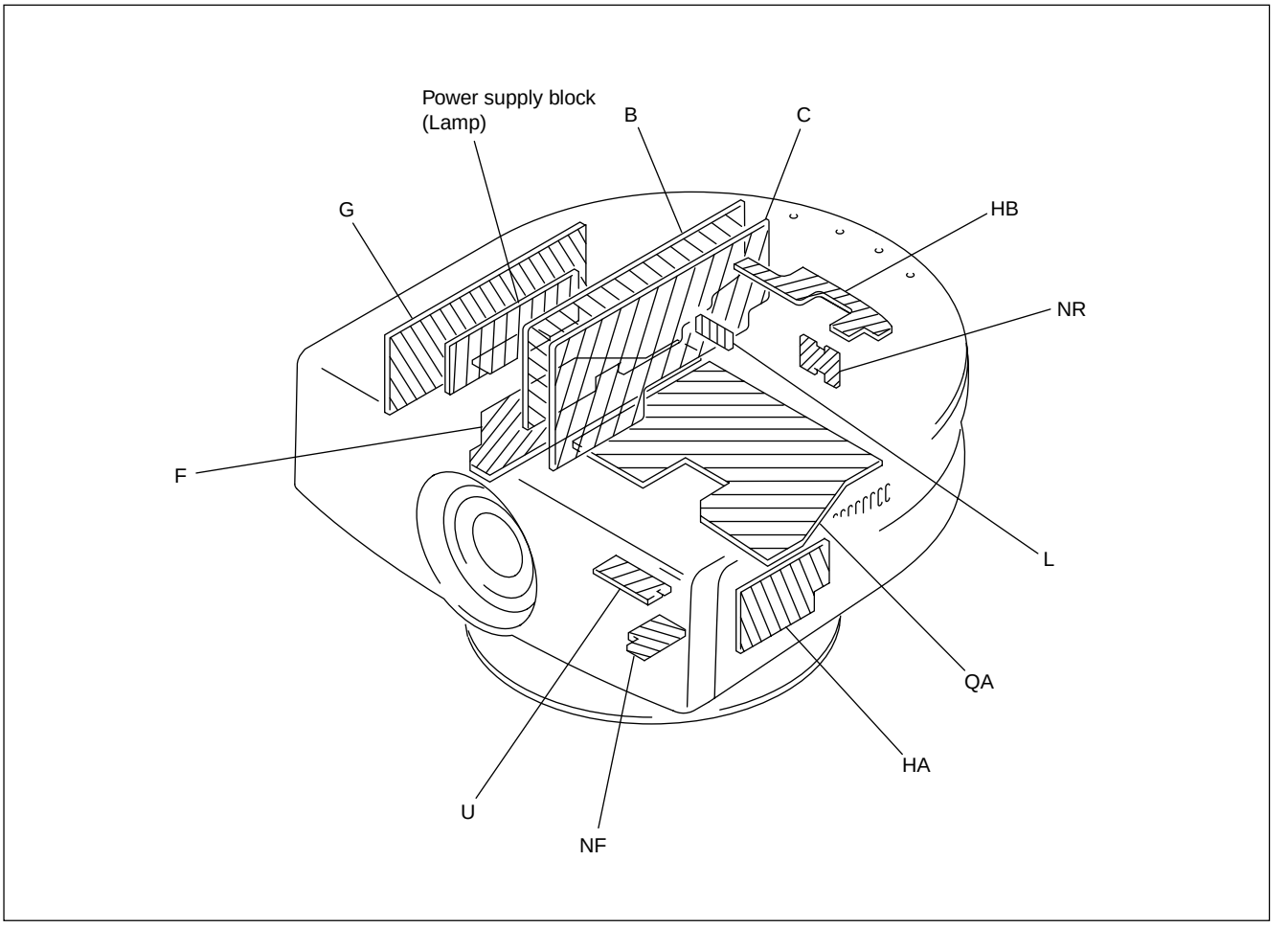
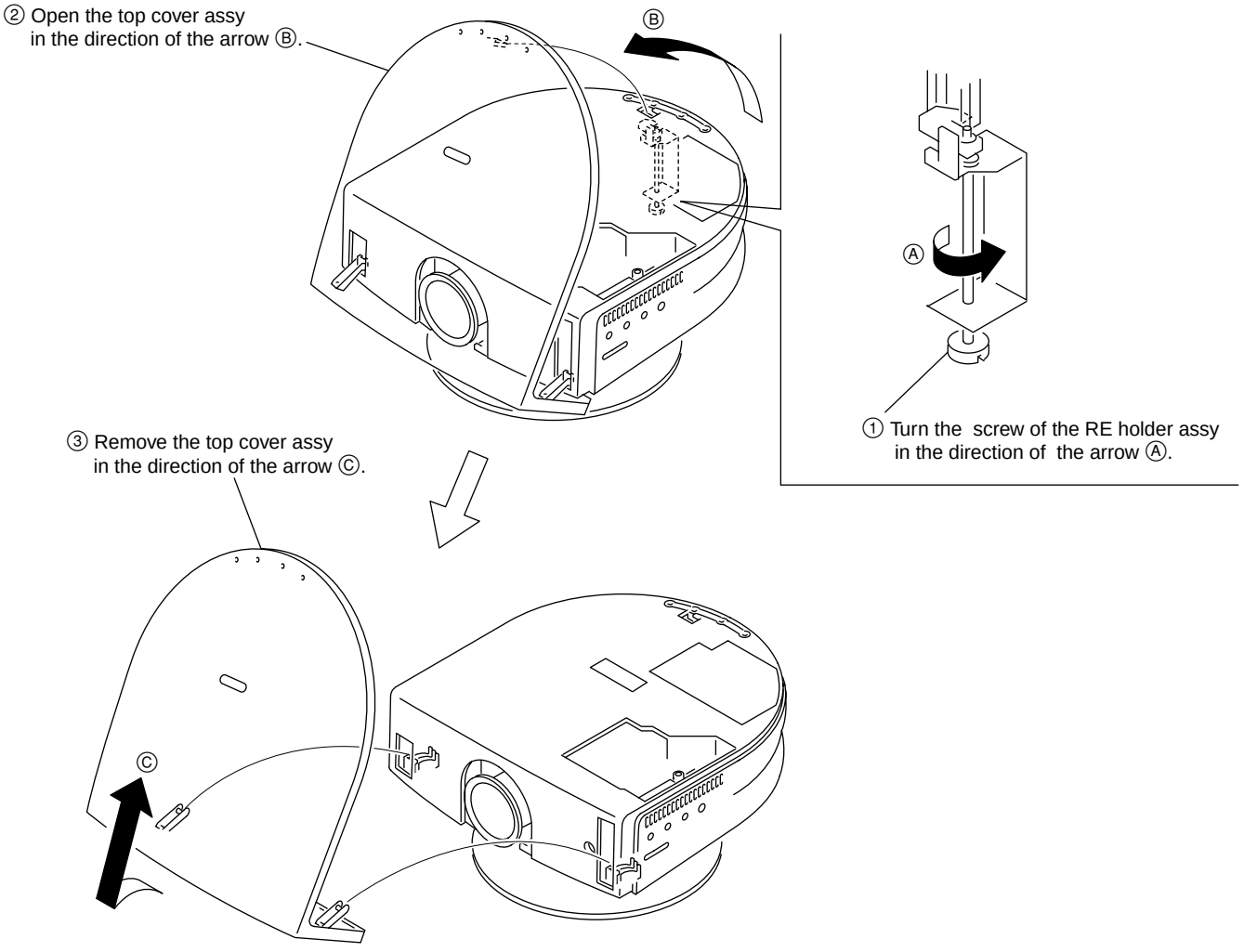
Section 1
Service Informations

1-1. Board Layouts

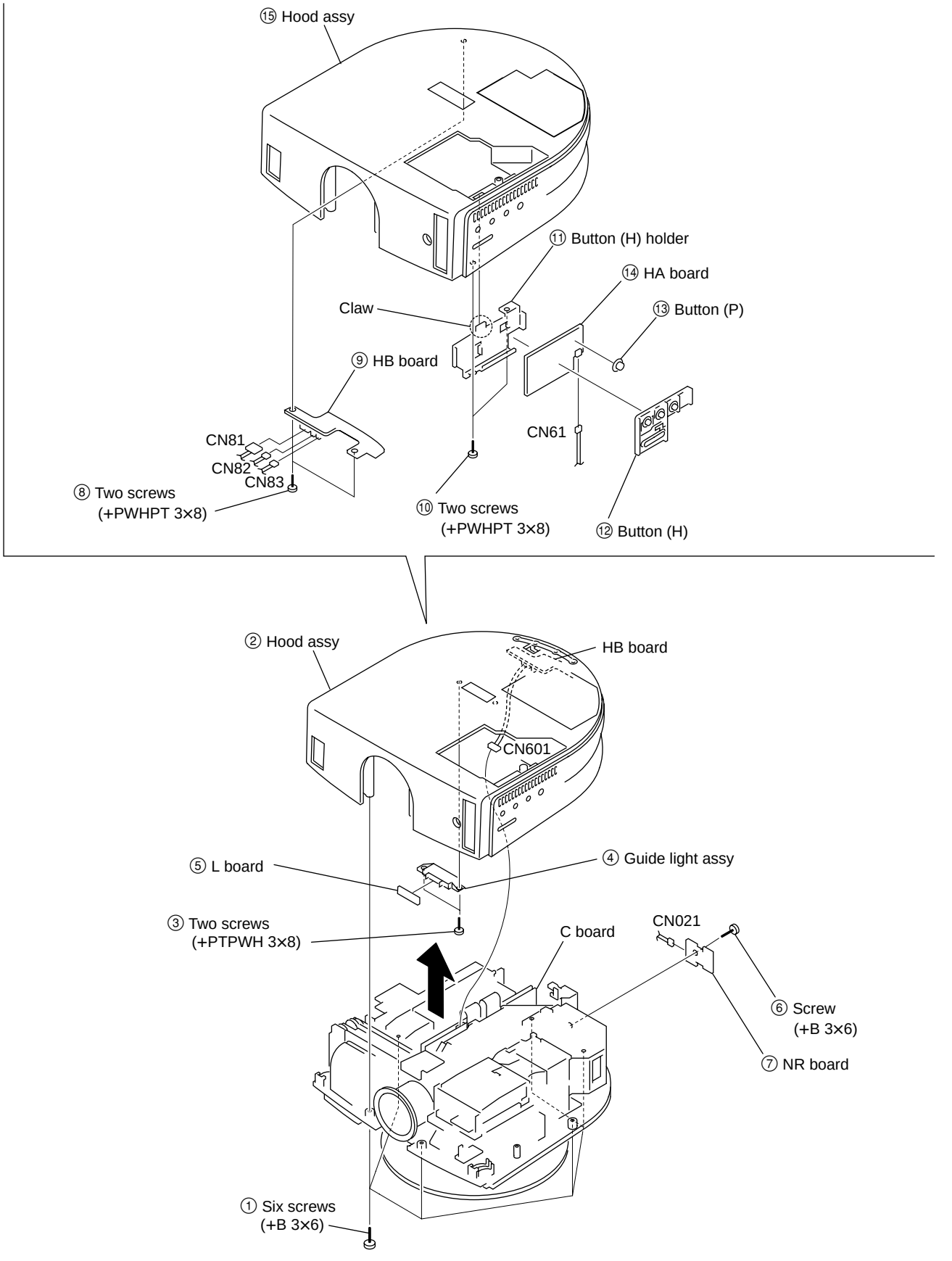


1-2. Disassembly

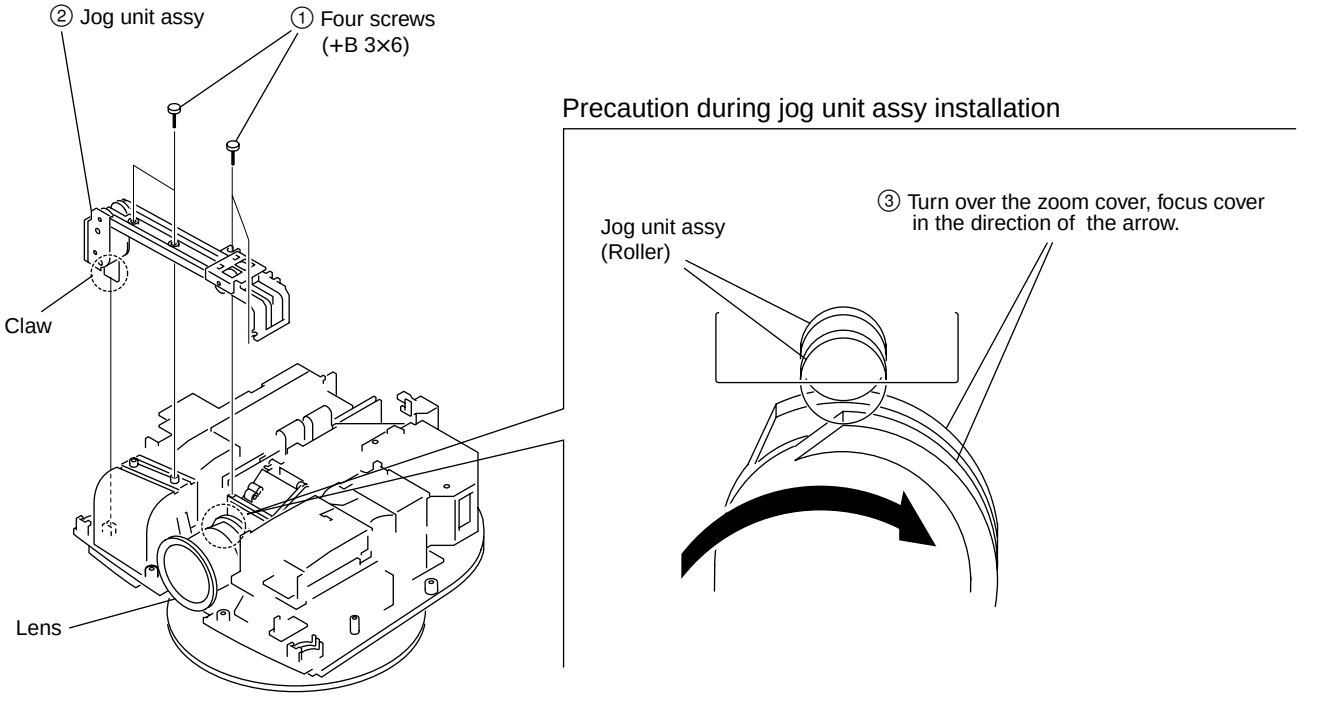
1-2-1. Top Cover Assy Removal


② Open the top cover assy in the direction of the arrow Ⓑ.
Ⓑ
Ⓐ
① Turn the screw of the RE holder assy in the direction of the arrow Ⓐ.
③ Remove the top cover assy in the direction of the arrow Ⓒ.
Ⓒ

1-2-2. NR, L, HA, HB Boards and Hood Assy Removal

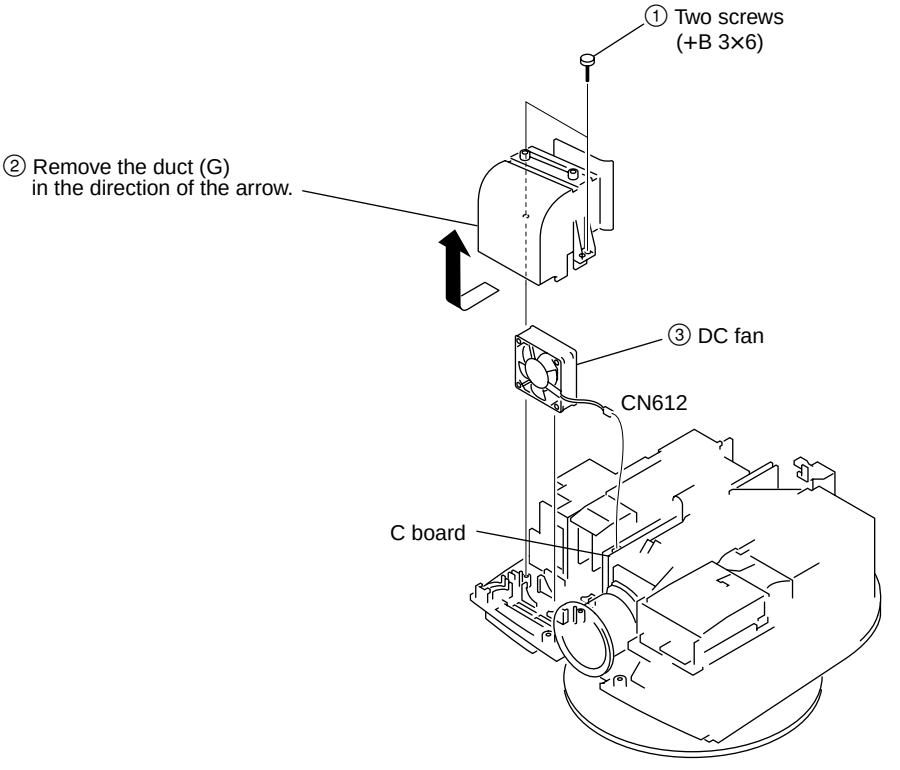


1-2-3. Jog Unit Assy Removal

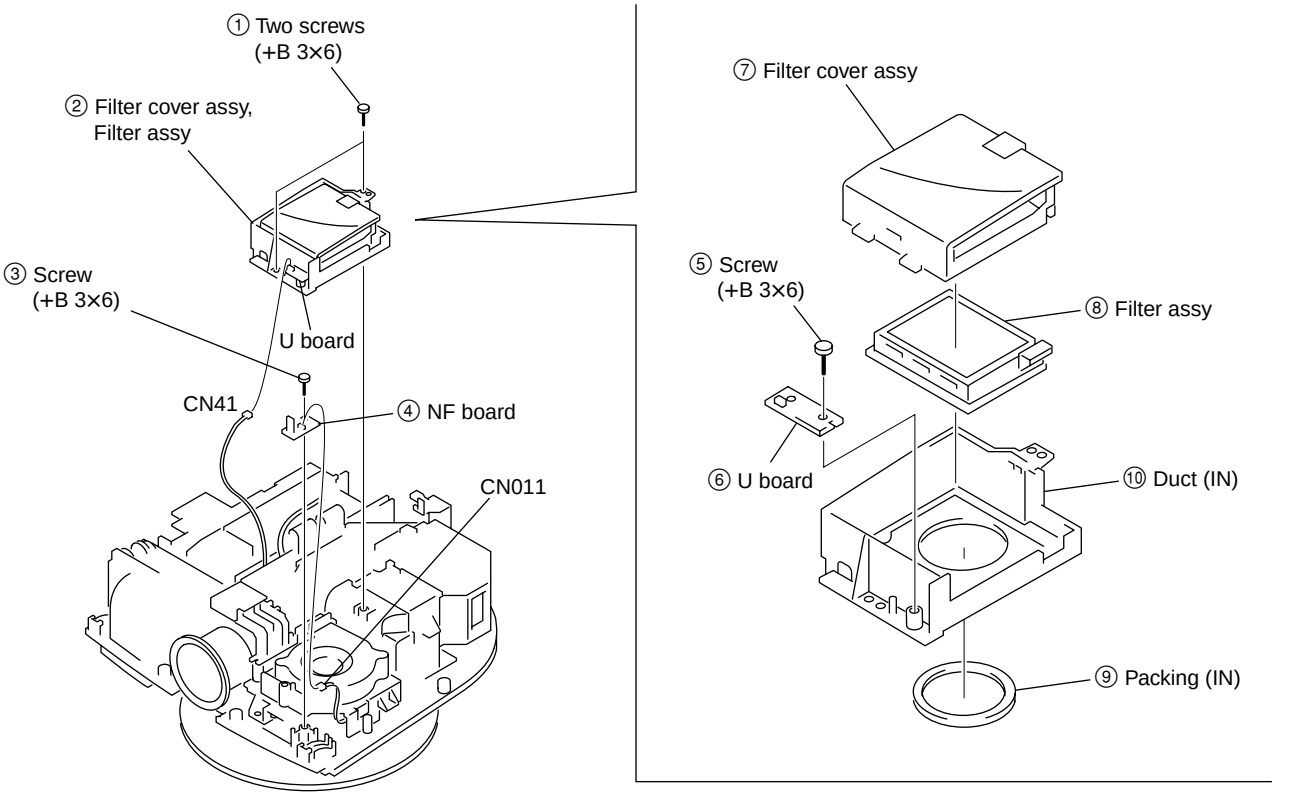


1-2-4. DC Fan Removal

To remove the DC fan, remove the Jog unit assy beforehand.

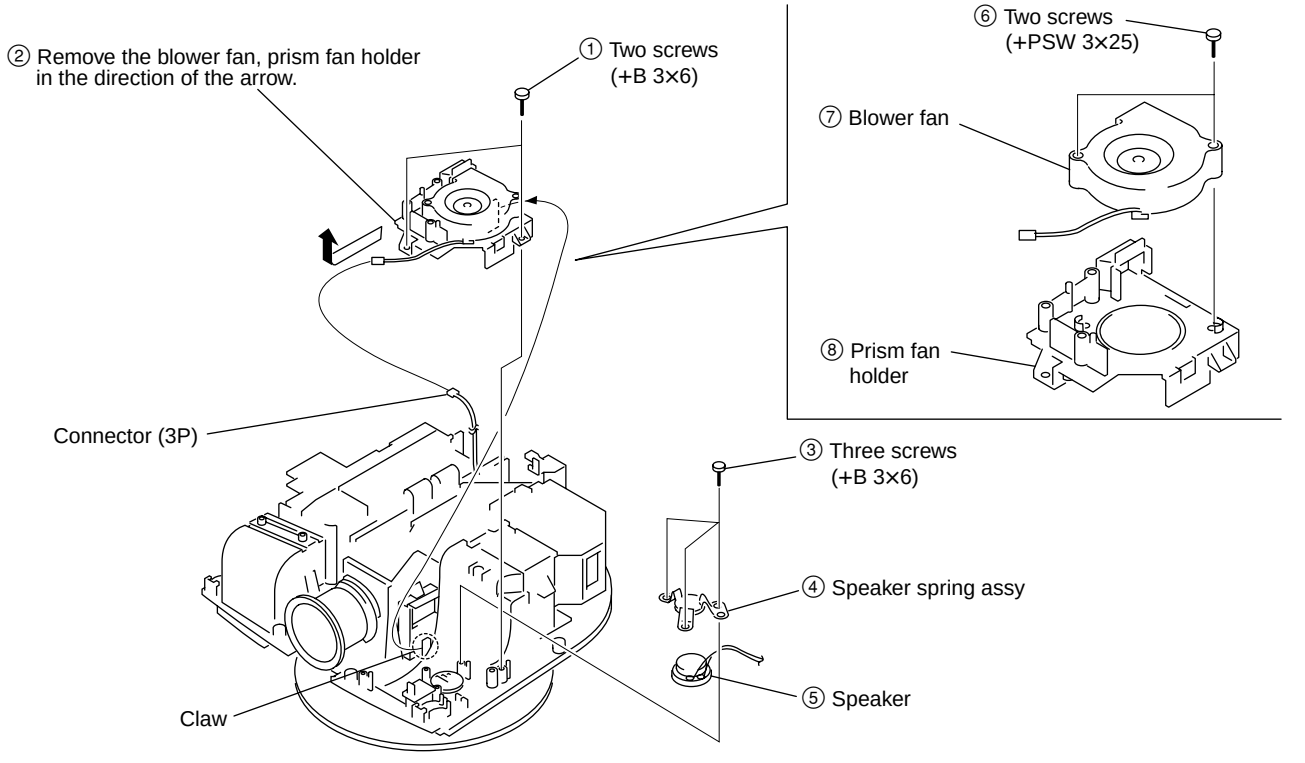


1-2-5. U, NF Boards and Filter Assy Removal

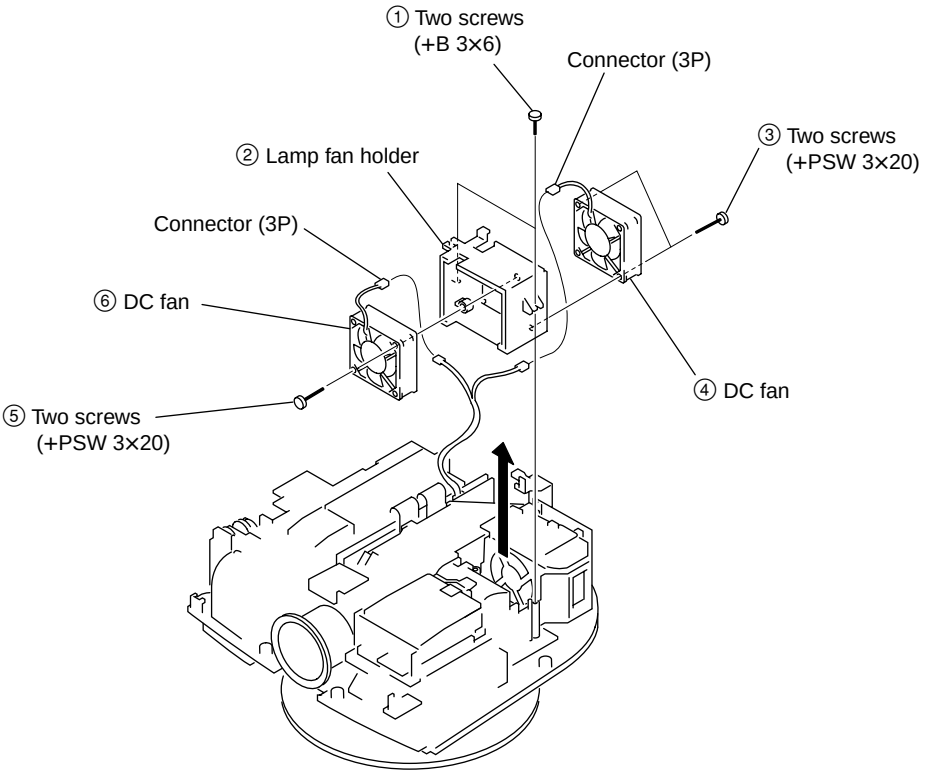


1-2-6. Blower Fan and Speaker Removal

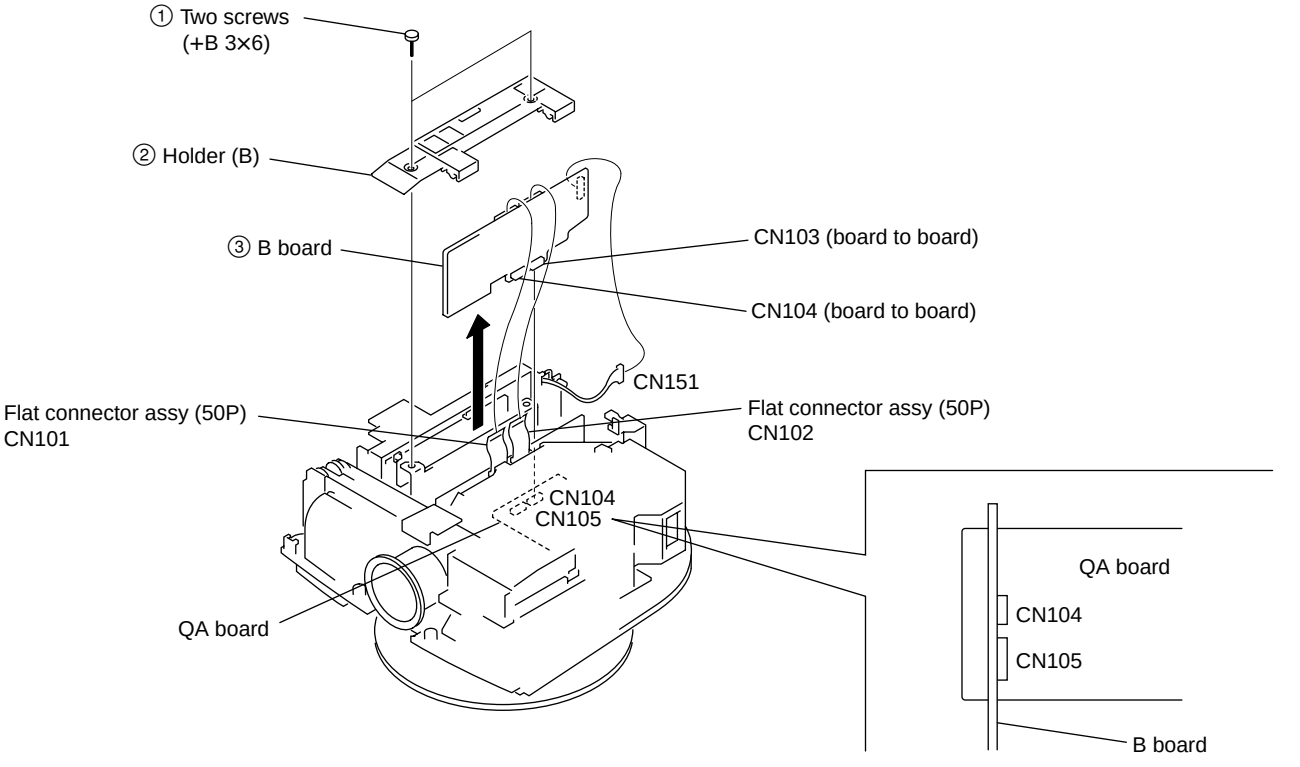
To remove the Blower fan and Speaker, remove the, Jog unit assy, Filter assy beforehand.



1-2-7. DC Fan and Lamp Fan Holder Removal

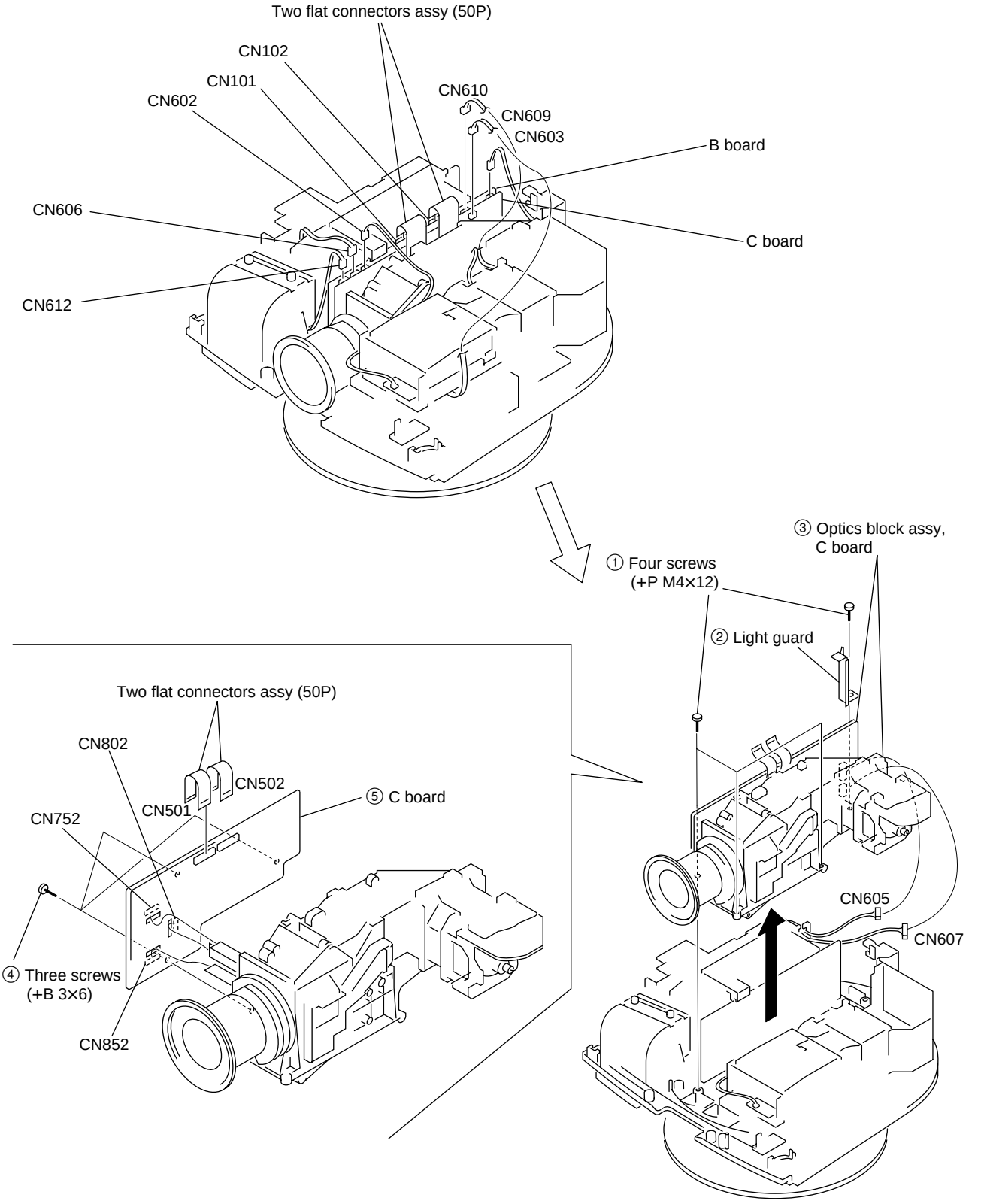


1-2-8. B Board Removal



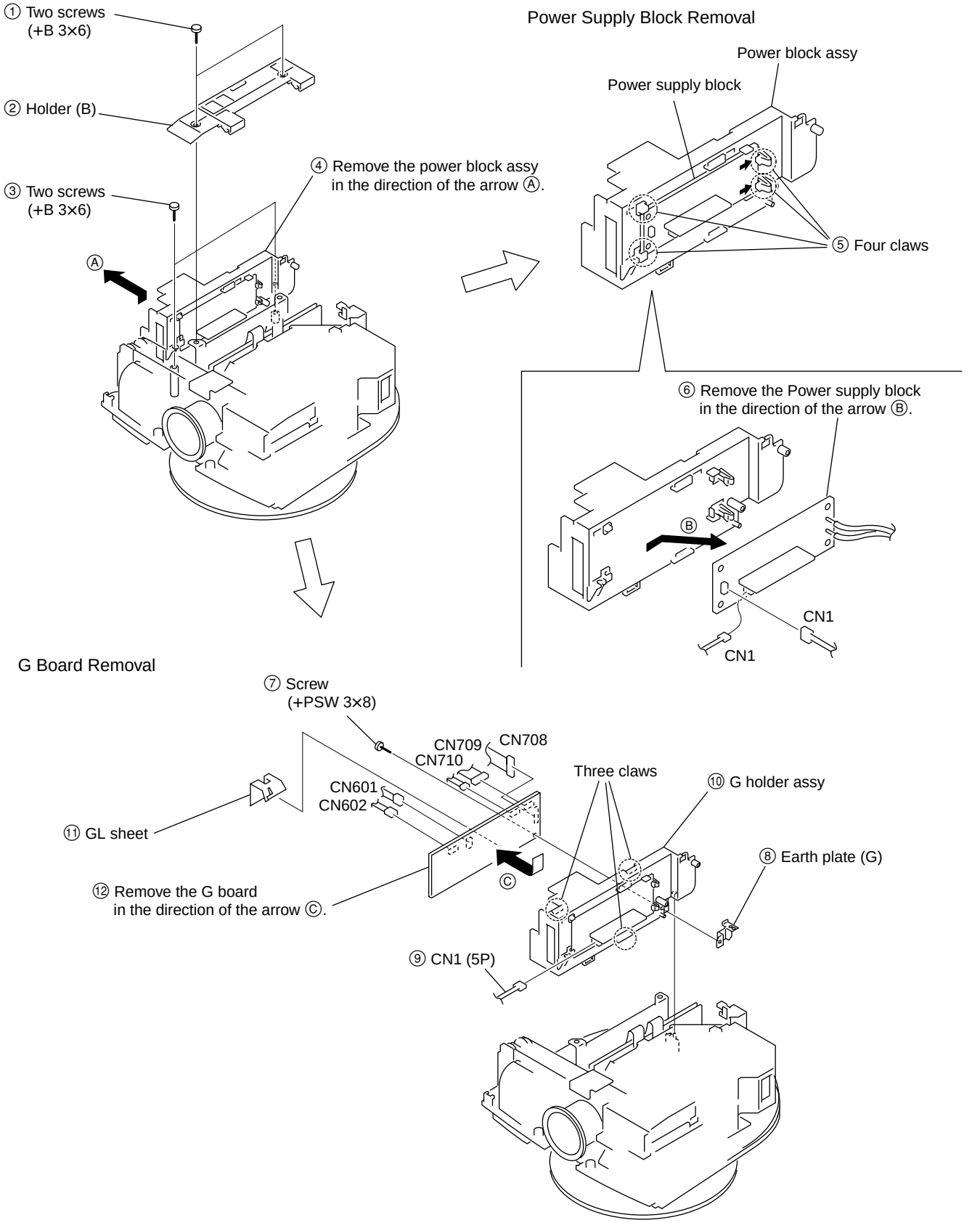
1-2-9. Optics Block Assy and C Board Removal

To remove the Optics block assy and C board, remove the Jog unit assy beforehand.



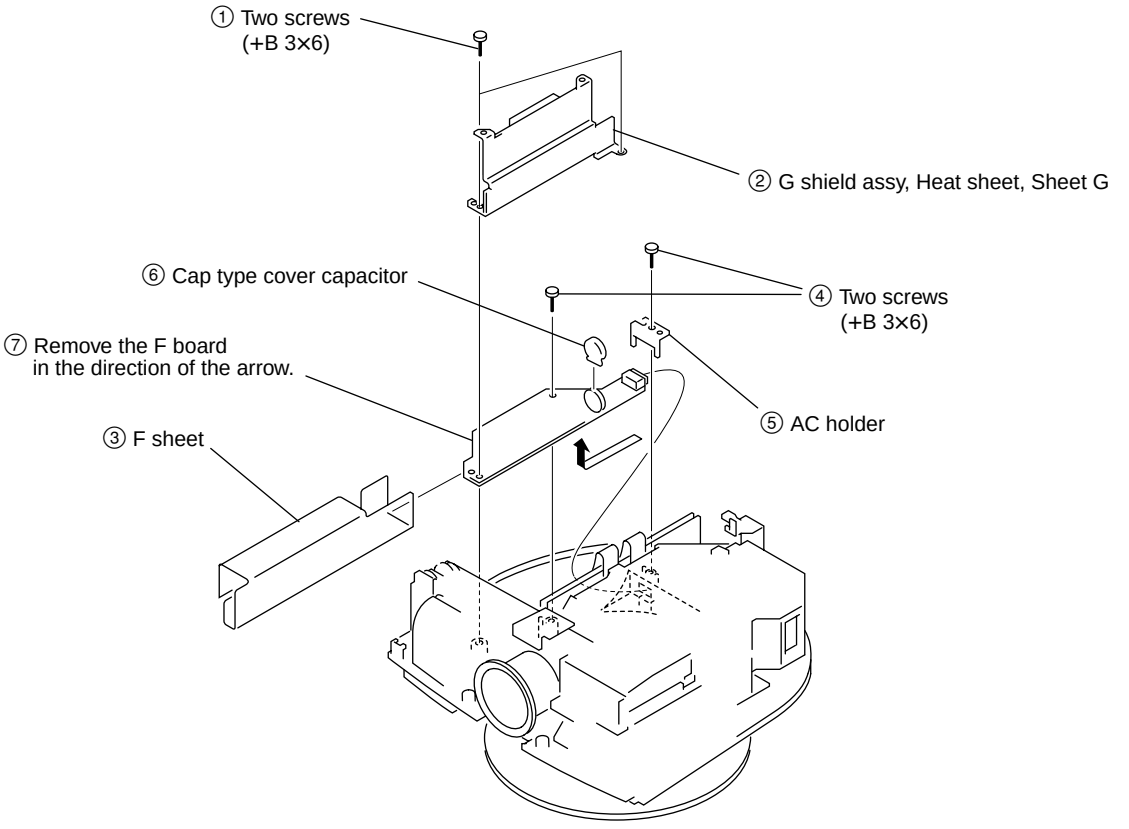
1-2-10. Power Supply Block and G Board Removal

To remove the G board and power supply block, remove the C board and MS board beforehand.



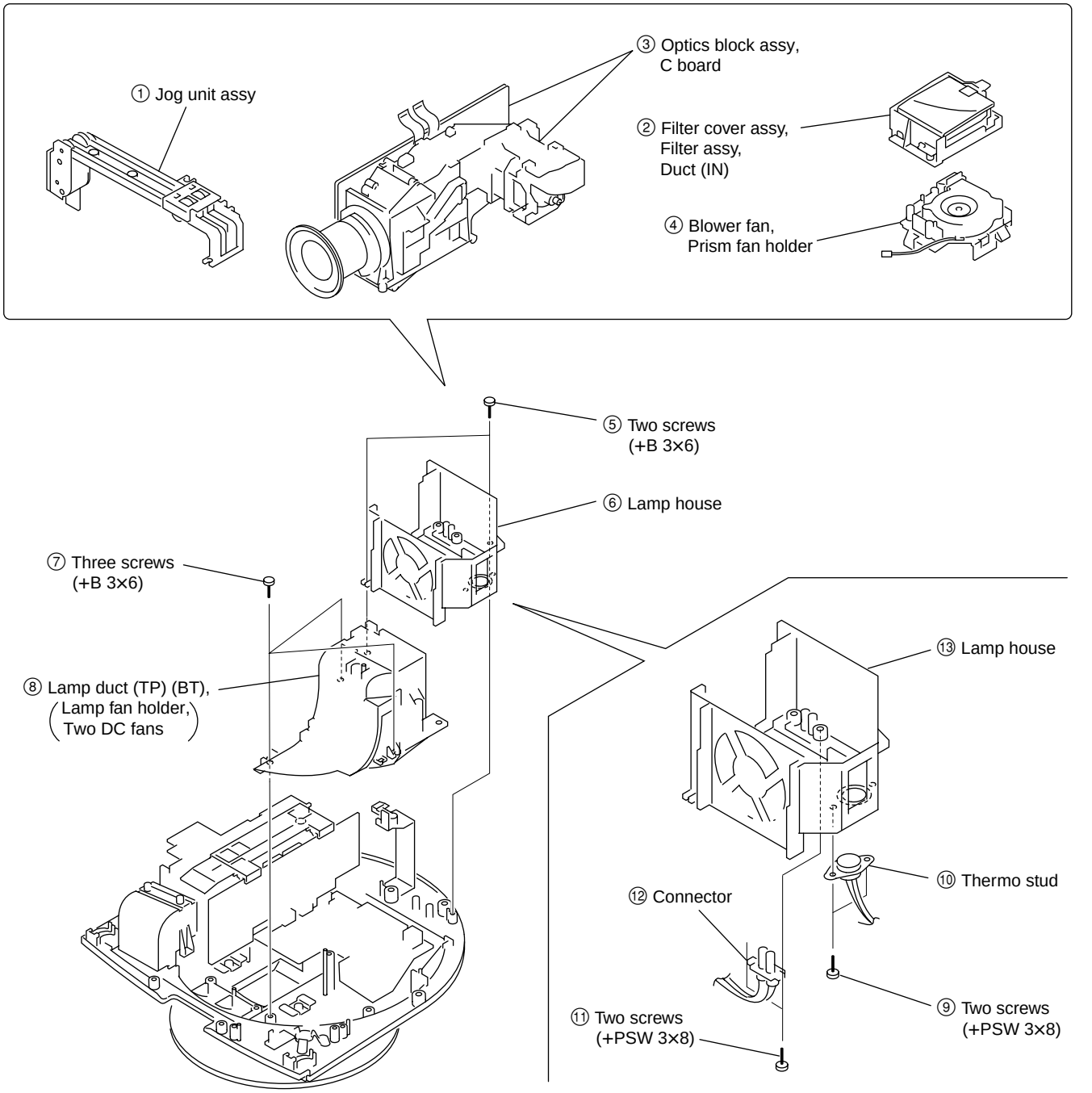
1-2-11. F Board Removal

To remove the F board, remove the Holder (B), Power block assy beforehand.


① Two screws
(+B 3×6)
② G shield assy, Heat sheet, Sheet G
⑥ Cap type cover capacitor
④ Two screws
(+B 3×6)
⑦ Remove the F board
in the direction of the arrow.
⑤ AC holder
③ F sheet

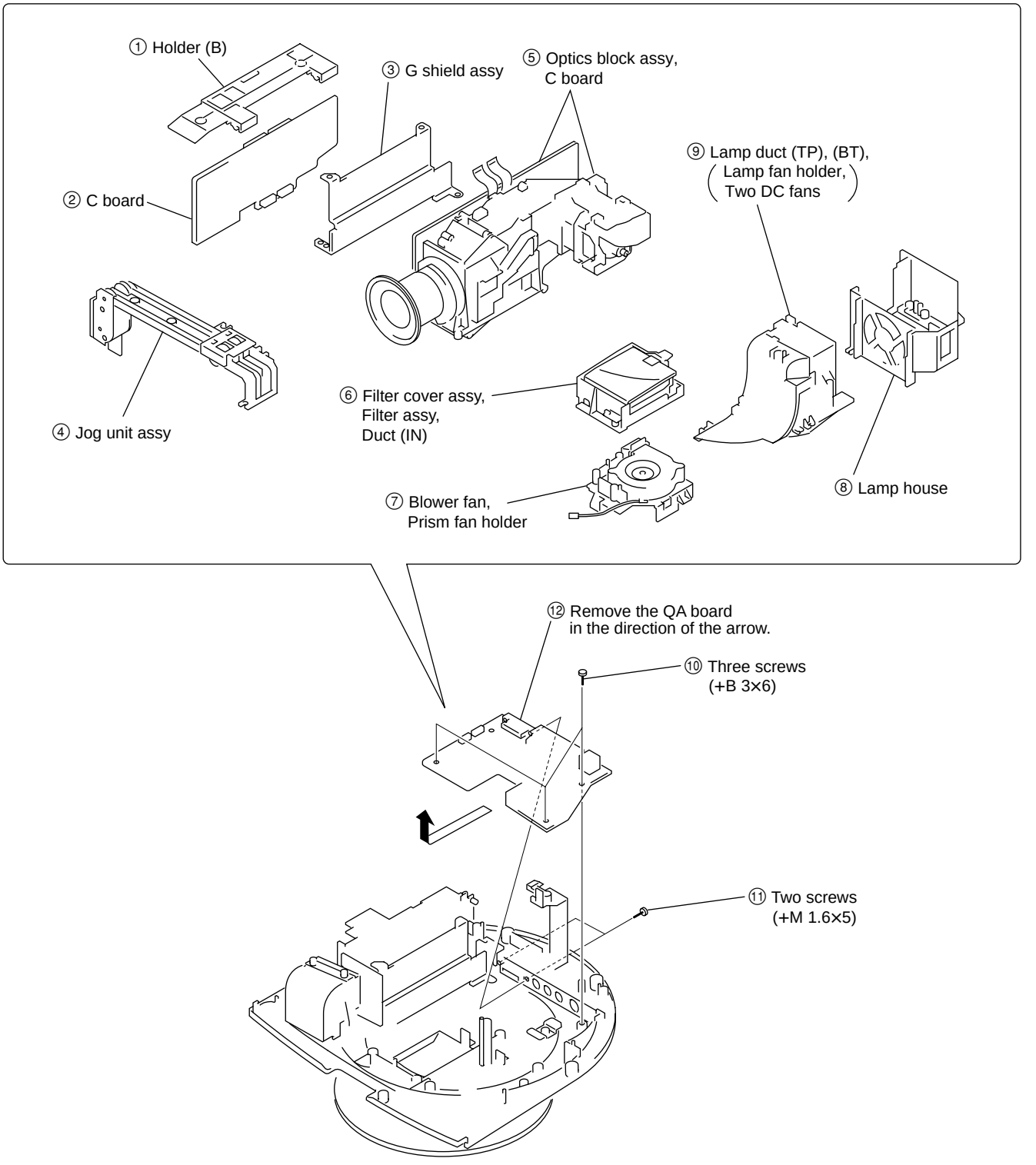
1-2-12. Lamp House and Lamp Duct (TP), (BT) Removal

To remove the Lamp duct (TP) (BT) and Lamp house, remove the related parts beforehand.

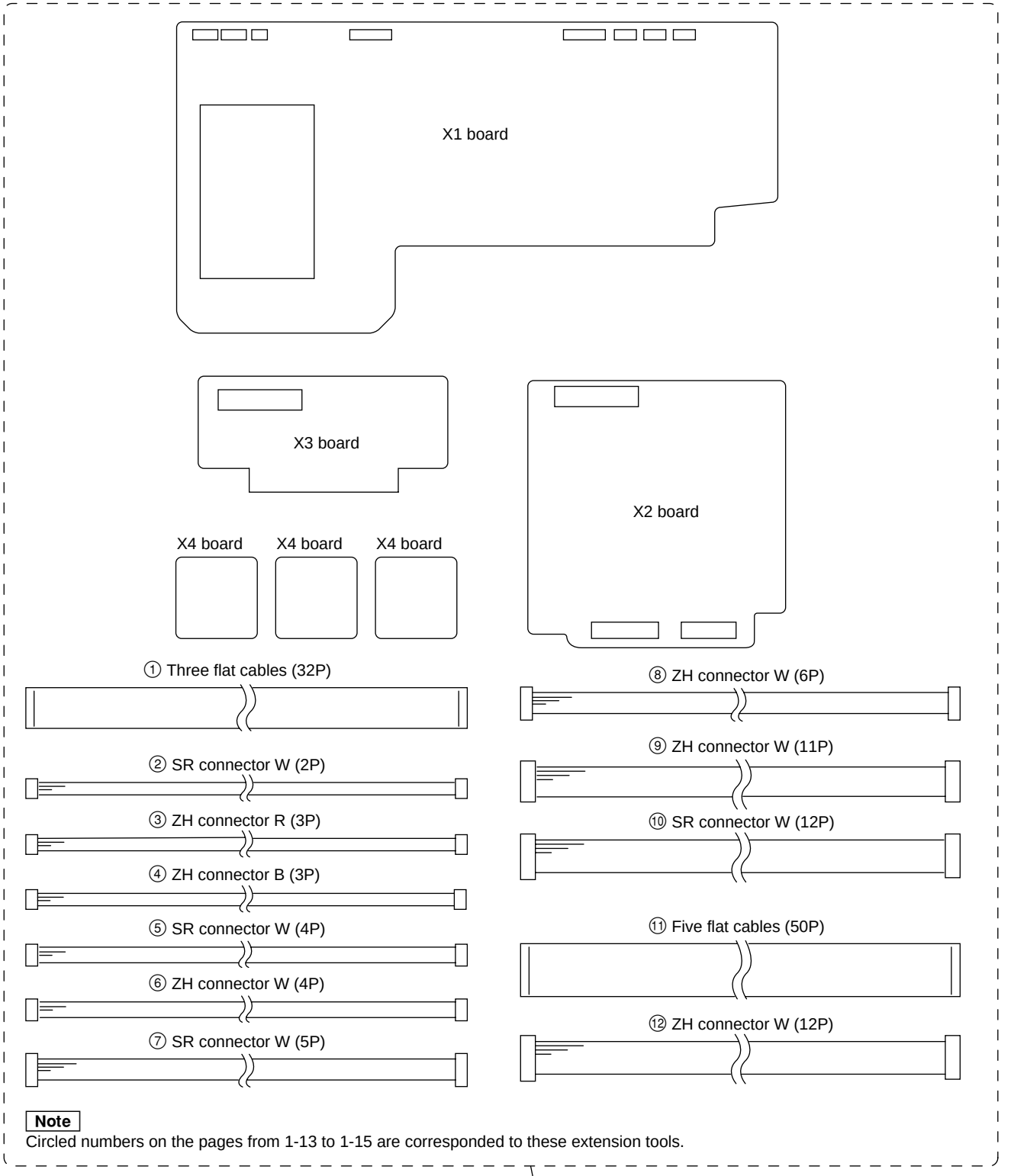

① Jog unit assy
③ Optics block assy, C board
② Filter cover assy, Filter assy, Duct (IN)
④ Blower fan, Prism fan holder
⑤ Two screws (+B 3×6)
⑥ Lamp house
⑦ Three screws (+B 3×6)
⑧ Lamp duct (TP) (BT), (Lamp fan holder, Two DC fans)
⑬ Lamp house
⑩ Thermo stud
⑫ Connector
⑨ Two screws (+PSW 3×8)
⑪ Two screws (+PSW 3×8)

1-2-13. QA Board Removal

To remove the QA board, remove the related parts beforehand.


① Holder (B)
② C board
③ G shield assy
④ Jog unit assy
⑤ Optics block assy, C board
⑥ Filter cover assy, Filter assy, Duct (IN)
⑦ Blower fan, Prism fan holder
⑧ Lamp house
⑨ Lamp duct (TP), (BT), Lamp fan holder, Two DC fans
⑩ Three screws (+B 3×6)
⑪ Two screws (+M 1.6×5)
⑫ Remove the QA board in the direction of the arrow.

1-2-14. Extension Board and EXtension Connectors

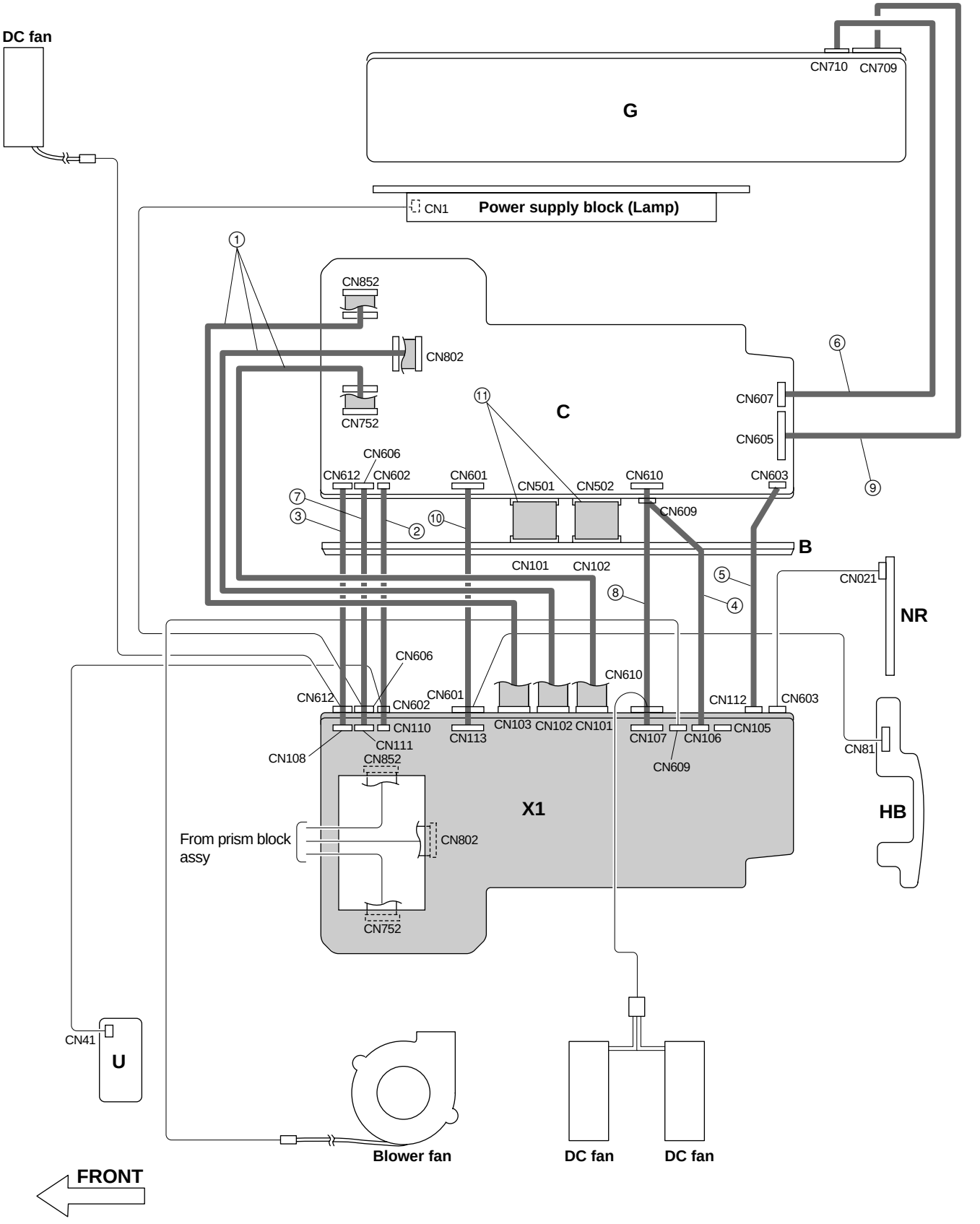

X1 board
X3 board
X2 board
X4 board
X4 board
X4 board
① Three flat cables (32P)
② SR connector W (2P)
③ ZH connector R (3P)
④ ZH connector B (3P)
⑤ SR connector W (4P)
⑥ ZH connector W (4P)
⑦ SR connector W (5P)
⑧ ZH connector W (6P)
⑨ ZH connector W (11P)
⑩ SR connector W (12P)
⑪ Five flat cables (50P)
⑫ ZH connector W (12P)

Note

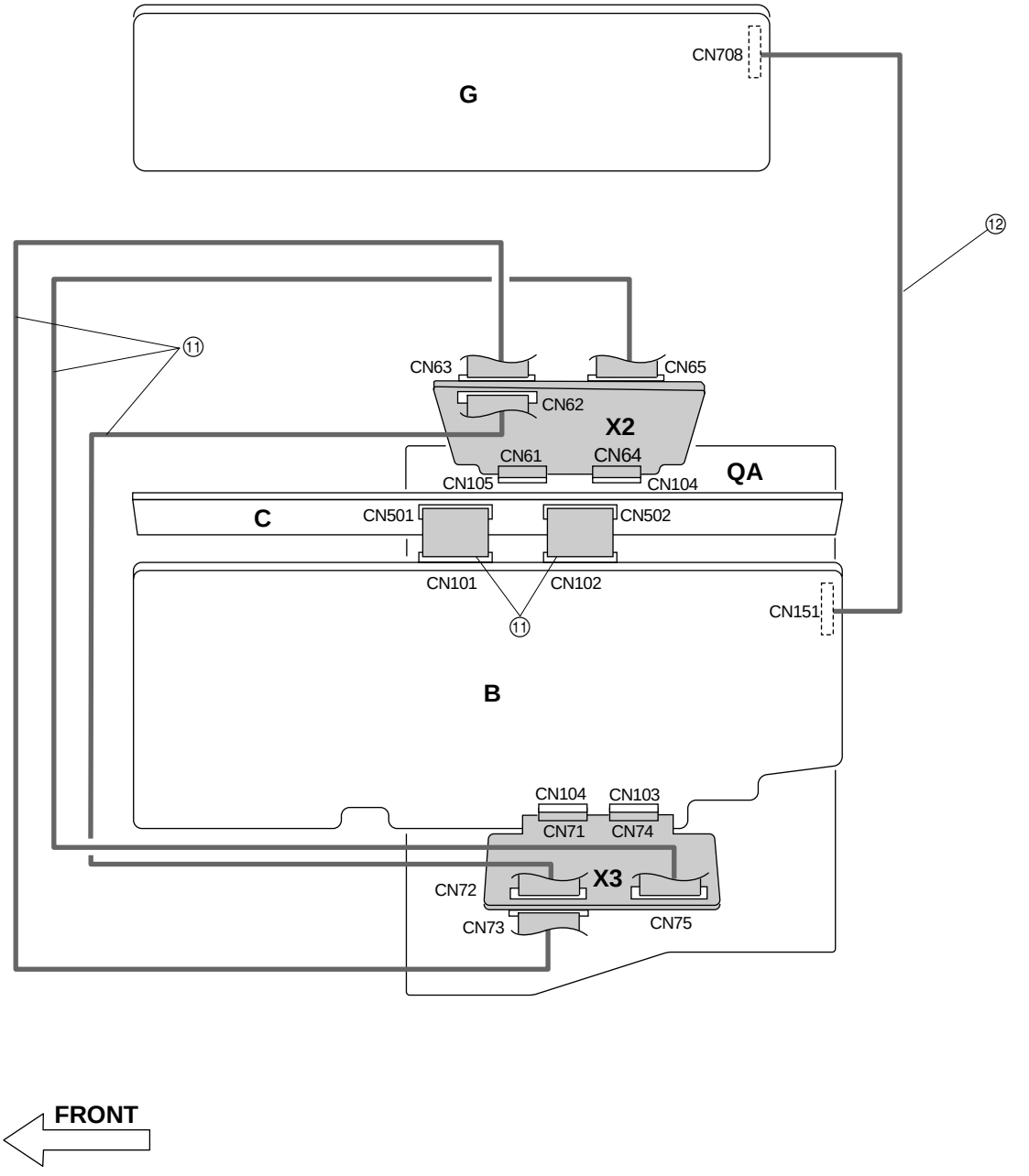
Circled numbers on the pages from 1-13 to 1-15 are corresponded to these extension tools.

X kit assy (A-1604-234-A)

1-2-15. Extension Board and Extension Connectors Connection (C Board)

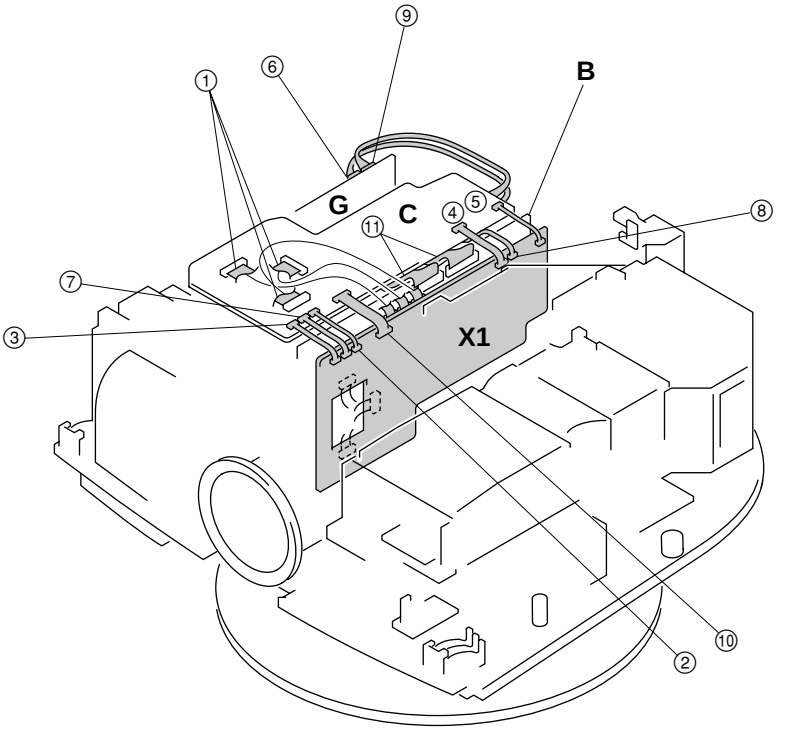


1-2-16. Extension Board and Extension Connectors Connection (B Board)

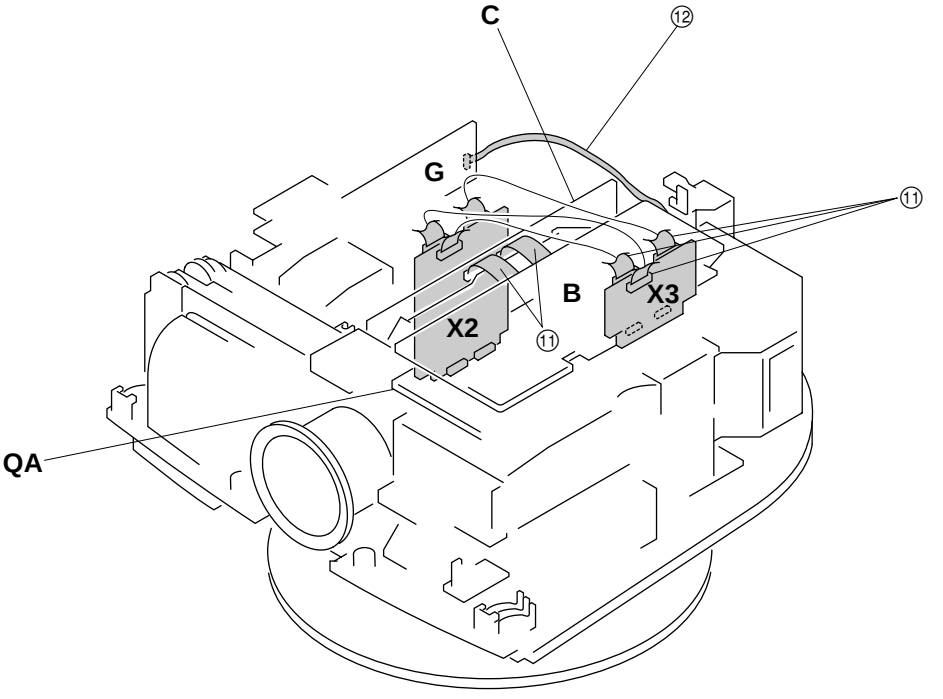


1-2-17. Connection Example

For C Board



For B Board



1-3. Service Knowhow

1-3-1. After Replacing the Prism Block

1. Perform Section “2-2. V COM Adjustment.”
2. Perform the Gamma data writing of the Prism Block.
3. Perform Section “2-4. White Balance Adjustment on Servicing.”

1-3-2. After Replacing the Board

- Refer to the cross table shown on right.
- There are no need to perform the adjustment when the board other than the B board or C board had been replaced.

1) When Replacing the B Board

When the data before replacement can be read properly

1. Make a note of the data described in the cross table of board replacement, write the data into the new board with service mode.
2. If the white balance is extremely deteriorated, perform the white balance adjustment (Refer to Section 2-4.).

When the data before replacement cannot be read

1. Perform Section “2-2. V COM Adjustment.”
2. Perform Section “2-4. White Balance Adjustment on Servicing.”
3. Perform Section “2-5. Tilt Adjustment.”

2) When Replacing the C Board

1. Before replacement, unsolder the IC706 from the replaced C board and then mount it to the new board.
2. Perform Section “2-2. V COM Adjustment.”
3. If the white balance is extremely deteriorated, perform the white balance adjustment (Refer to Section 2-4.).
4. Perform Section “2-5. Tilt Adjustment.”

3) When Replacing the Other Board

There are no need to perform the adjustment.

Cross Table of Board Replacement

Device Name	Item Name	Board Name	
		B	C
OTHER	TILT C0	✻	○
	TILT C1	✻	○
	TILT C2	✻	○
P.DRV	VCOM (R)	✻	○
	VCOM (G)	✻	○
	VCOM (B)	✻	○
W/B ADJUST			
INPUT-A HIGH	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
INPUT-A LOW	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
INPUT-A MID	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
VIDEO MID	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
VIDEO HIGH	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
VIDEO LOW	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○

✻ : When down the data before replacement, and then write in the data after the board replacement.

○ : Need adjustment

1-4. Memory

Memory structure consists of the following five memory blocks.

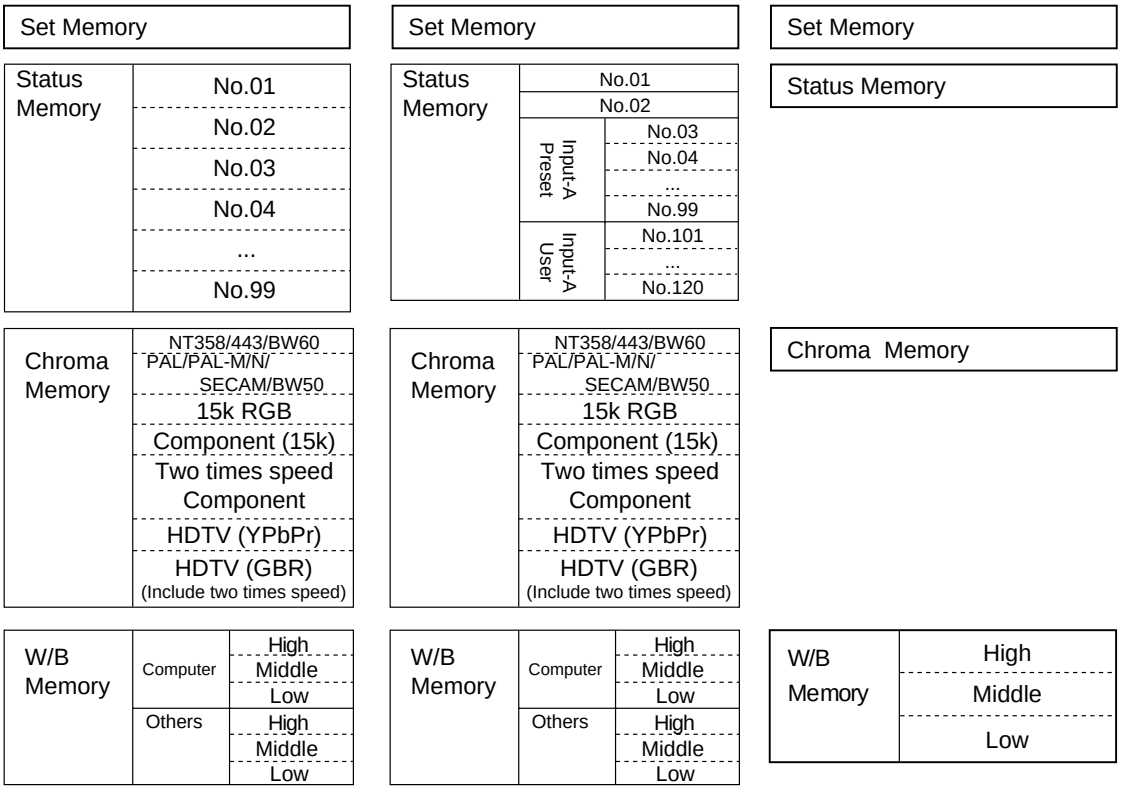
1. Set memory
2. Status memory
3. Chroma memory
4. W/B memory
5. Channel memory
6. Image Flip memory
7. Picture memory

CPU internal ROM : 384 kbyte Flash Memory
CPU internal ROM : 24 kbyte
External NVM memory : 8 kbyte EEPROM

Gamma memory is actualized through Gamma mode functions' offsetting the output values to the Contrast and Brightness devices.

When the power plug is connected to the power line (Standby status), all data inside the internal ROM are written into the NVM (Nonvolatile Memory). When the power is turned to on, required data for the current picture, such as status memory data, etc., are selected, and they are written into the internal RAM.

When adjustment is carried out, adjustment data are written into the NVM automatically (items on the user mode) or by the trigger of memory operation (items on the service mode and special service mode), then stored them. Adjustable items (W/B and Device Adjust) of the service mode and special service mode are memorized into the NVM by the memory operation. At the same time, the factory preset (adjusted) data are all eliminated from the memory.



Channel Memory	Video
	S Video
	Input-A
	Video 2
	S Video 2

Channel Memory	Video 1
	S Video 1
	Input-A
	Video 2
	S Video 2

Channel Memory

Image Flip Memory	Turn over to the upper and lower sides
	No turn over to the upper and lower sides

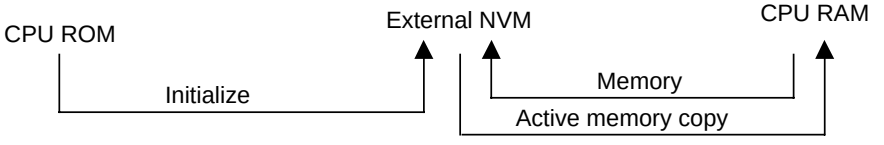
Image Flip Memory	Turn over to the upper and lower sides
	No turn over to the upper and lower sides

Image Flip Memory

Picture Memory	Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Input-A	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3

Picture Memory	Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Input-A	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3

Picture Memory



1-5. Warning on Power Connection

Use a proper power cord for your local power supply.

	The United States, Canada	Continental Europe	UK	Australia	Japan
Plug type	YP-11	YP-21	SP-61	B8	YP-13
Female end	YC-13L	YC-13L	YC-13L	C7-2	YC-13L
Cord type	SPT-2	H03VVH2-F	H03VVH2-F	H03VVH2-F	VCTFK
Rated Voltage & Current	10 A/125 V	2.5 A/250 V	2.5 A/250 V	2.5 A/125 V	7 A/125 V
Safety approval	UL/CSA	VDE	BS	SAA	DENANHO
Cord length (max.)	4.5 m	–	–	–	–

Section 2
Electrical Adjustments

2-1. Preparations

2-1-1. Equipment Required

- Oscilloscope
  Tektronix 2465 or equivalent
  (bandwidth: 350 MHz or more)
- NTSC, PAL, SECAM component signal generator
  Tektronix TG2000 + AVG1 (optional module) + AWVG1 (optional module) or equivalent
- VG (Programmable video signal generator)
  VG814 or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Luminance meter
- Chrominance difference gauge

Note

Perform the following adjustments at least 5 minutes after turning on the power.

2-1-2. Factory Mode Setting

1. Make sure that the MENU is indicated.
2. Exit the menu.
3. Press the keys in the following order:
   "ENTER" → "ENTER" → "LEFT" → "ENTER"
4. The message "Do you wish to enter into the FACTORY MODE? Yes:↑ No:↓ " will be displayed.
5. Select "Yes:↑".

Note

- When leaving the FACTORY MODE, perform item 3. "Do you wish to return to the USER MODE? Yes:↑ No:↓ " will be displayed. Select "Yes:↑".

2-2. V COM Adjustment

1. Input the green-only VGA 1 Lime ON/OFF signal to INPUT-A, and set the CONTRAST to 70.
2. Set the screen to G VCOM adjustment of "Device Adjust."
3. Adjust the G VCOM so that the flicker on the screen is minimum.
4. Change the input signal to the red-only and blue-only 1 line ON/OFF signal respectively and adjust R VCOM and B VCOM respectively so that the flicker becomes minimum as described in step 3.
5. Save the value adjusted.
6. Set the "Image Flip" to either "V" or "HV".
7. Input the R/G/B value adjusted as above step 5.
8. Save the value adjusted.
9. Set the "Image Flip" to "OFF".

2-3. Adjustment Item Initialize Data

MenuTitle	ItemName	Memory Name										
		Set Memory	Status Memory	Picture Memory								
				Video 1/S Video1/Video 2/S Video 2				Input-A				
				Dynamic	Standard	Cinema	User1/2/3	Dynamic	Standard	Cinema	User1/2/3	
PICTURE SETTING	Picture Mode		Dynamic									
	Adjust Picture...											
	Contrast			90	80	80	80	90	80	80	80	
	Brightness			60	50	50	50	60	50	50	50	
	Color			60	50	50	50	60	50	50	50	
	Hue			50	50	50	50	50	50	50	50	
	Sharpness			60	50	50	50	50	50	50	50	
	RGB Enhancer			–	–	–	–	20	20	20	20	
	Black Level Adj.			Low	Low	Off	Off	Low	Low	Off	Off	
	Gamma Mode			–	–	–	–	Graphics	Graphics	Graphics	Graphics	
	Color Temp.			Middle	High	Low	Low	Middle	High	Low	Low	
	DDE			Film	Film	Film	Film	Film	Film	Film	Film	
	Cinema Black			Off	On	On	On	Off	On	On	On	
	Volume	30										
INPUT SETTING	Adjust Signal...											
	Dot Phase		15 (*)									
	H Size		*									
	Shift		*									
	Wide Mode			Full	Full	Full	Full	Full	Full	Full	Full	
	V Position (Zoom)			4	4	4	4	4	4	4	4	
	V Position (Sub Title)			4	4	4	4	4	4	4	4	
	V Position (Full Through)			4	4	4	4	4	4	4	4	
	V Position (Normal Through)			4	4	4	4	4	4	4	4	
	Title Area			0	0	0	0	0	0	0	0	
SET SETTING	Smart APA	On										
	Auto Input Search	On										
	Input-A Signal Sel.	Component										
	Color System	Auto										
	Power Saving	Off										
	Illumination	On										
MENU SETTING	Status	On										
	Languege	English										
	Menu Position	Center										
	Menu Color	Black										
INSTALL SETTING	V Keystone	Auto										
	Manual...	0										
	Side Shot	0										
	Image Flip	Off										
	Background	Blue										
	Test Pattern	On										
	High Altitude	Off										
INFORMATION	fH	Indication only										
	fV	Indication only										
	(Memory No.)	Indication only										
	(Resolution)	Indication only										
	Lamp Timer	Indication only										
	ROM Version	Indication only										
	SC ROM Version	Indication only										
	Operation Timer	Indication only										
	Prev. Lamp Timer	Indication only										
W/B SETTING	Gain R											
	G											
	B											
	Bias R											
	G											
	B											

* : "Dot Phase, H Size, Shift H/V and Picture Mode" in the "INPUT SETTING" menu have an initial value respectively in accordance with the input signal (PRESET MEMORY No.).

Note : There are nonadjustable items in accordance with the input signal.

Memory Name						Remarks
W/B Memory						
Video			Computer			
High	Middle	Low	High	Middle	Low	
120	141	141	120	136	136	
110	141	110	110	136	110	
141	141	120	136	136	120	
85	85	85	85	85	85	
85	85	85	85	85	85	
85	85	85	85	85	85	

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
A/D Converter	ADC/	Clamp Position		∗2								
		Clamp Width		∗2								
		R Gain (Other)										
		R Gain (Component)										
		R Gain (VideoGBR)										
		G Gain (Other)										
		G Gain (Component)										
		G Gain (VideoGBR)										
		B Gain (Other)										
		B Gain (Component)										
		B Gain (VideoGBR)										
		R Offset (Other)										
		R Offset (Component)										
		R Offset (VideoGBR)										
		G Offset (Other)										
		G Offset (Component)										
		G Offset (VideoGBR)										
		B Offset (Other)										
		B Offset (Component)										
		B Offset (VideoGBR)										
		Sync Sep Th	32									
		Pre Coast		2								
		Post Coast		8								
Chroma/D.Comb	Chroma/	Ch1 Gain										
		Ch2 Gain										
		Video Brt			140	124	128	128	–	–	–	
		Video Cont			72	72	64	64	–	–	–	
		Sub Color			72	72	68	68	–	–	–	
		LCBW										
		Y-DeLay	∗1									
		Ch3 Gain										
		Ch4 Gain										
		YUV Brt			128	128	119	119	–	–	–	
		YUV Cont			64	64	70	70	–	–	–	
		AOSL	–									
		1E	Indication only									
		1F	Indication only									
Panel Driver	P.Drv	Offset R										
		Offset G										
		Offset B										
		V Common R										
		V Common G										
		V Common B										
		Psig 1	140									
		Psig 2	59									
		Signal Center	194									
		Gain R	163									
		Gain G	163									
		Gain B	163									
		DCFB Off	1									
	Sample Hold/	SH1	6									
	Other/	V Com Pth Enb	Adjustment is impossible									
		Installation	0									
Other	3D Gamma	Sub Cont	0									
		Sub Brt	0									
		R Osd Lvl	31									
		G Osd Lvl	31									
		B Osd Lvl	31									
		Through	0									
		SW	1									
		APC Thres	25									
		APC Limit	32									

Note : There are nonadjustable items in accordance with the input signal.

∗1 : Depends on the color system and the input terminal.

∗2 : Depend on the input signal.

Memory Name								Remarks
	Channel Memory					Image Flip Memory		
	Video 1	S Video 1	Input-A	Video 2	S Video 2	Turn over to the upper and lower sides	No turn over to the upper and lower sides	
	–	–	128	–	–			
	–	–	100	–	–			
	–	–	100	–	–			
	–	–	128	–	–			
	–	–	100	–	–			
	–	–	100	–	–			
	–	–	128	–	–			
	–	–	100	–	–			
	–	–	100	–	–			
	–	–	128	–	–			
	–	–	100	–	–			
	–	–	128	–	–			
	–	–	128	–	–			
	–	–	128	–	–			
	–	–	128	–	–			
	–	–	128	–	–			
	–	–	100	–	–			
	–	–	128	–	–			
	70	70	144	70	70			
	144	16	260	144	144			
	6	6	6	6	6			
	144	144	260	144	144			
	144	144	260	144	144			
						211	211	
						211	211	
						211	211	
						83	83	
						83	83	
						83	83	

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
Other	Other/	V Start	31									
		H Start (MSB)	85									
		H Start (LSB)	0									
		H Position	8									
		HST Position	10									
		HST Phase	9									
		Temp Lamp	Adjustment is impossible									
		Temp Panel	Adjustment is impossible									
		Fan1 H										
		Fan1 L										
		Fan2 H										
		Fan2 L										
		Fan3 H										
		Fan3 L										
		Synchronous	1									
		Tilt C0	Factory default setting value									
		Tilt C1	Factory default setting value									
		Tilt C2	Factory default setting value									
		X Tilt	Indication only									
		Y Tilt	Indication only									
		TL	Indication only									
		TP	Indication only									
Gamma			Factory default setting value									
IP	Ip/	CTI Tap	3									
		CTI Shift	2									
		CTI Limit	128									
		CTI Gain	0									
		Sharp Limit	255									
		MD Thresh C	8									
		MD Thresh O	16									
		VS	1									
		Continue	1									
		Edit Detect	0									
		Indicator	0									
		Manual	0									
		Manual Pair	0									
		Manual State	0									
		Field Times	2									
		Noise Thresh	4									
		Disp Area	0									
		PULL Area T	71									
		PULL Area B	190									
		PULL Area L	165									
		PULL Area R	690									
		VS Limit	64									
		VS Core	4									
		Edge Det Less	0									
		X Only	0									
		Hysteresis	1									
		Hysteresis Data	2									
		Thresh Still Large	2									
		Thresh Still Med	3									
		Thresh Still Small	4									
		22 Pre Post Rate	15									
		22 Pre Post Thresh	2									
		Film Times 22	3									
	Ip2/	Sudare Rate 32	4									
		Sudare Thresh 32	64									
		Sudare Rate 22	4									
		Sudare Thresh 22	40									

Note : There are nonadjustable items in accordance with the input signal.

Memory Name								Remarks
	Channel Memory					Image Flip Memory		
	Video 1	S Video 1	Input-A	Video 2	S Video 2	Turn over to the upper and lower sides	No turn over to the upper and lower sides	
						Adjustment is impossible	Adjustment is impossible	
						Adjustment is impossible	Adjustment is impossible	
						Adjustment is impossible	Adjustment is impossible	
						Adjustment is impossible	Adjustment is impossible	
						Adjustment is impossible	Adjustment is impossible	
						Adjustment is impossible	Adjustment is impossible	

2-4. White Balance Adjustment on Servicing

2-4-1. White Balance Adjustment

Input the 10 STEP signal to INPUT-A, and observe the chromaticity of each luminance.
When varying the chromaticity of each luminance, perform the following adjustments.

1) MID Mode of INPUT-A

1. Input the 80 IRE FLAT FIELD signal to INPUT-A.
2. Adjust the chromaticity (x at 0.290, y at 0.320) values by the GAIN R and B of W/B MID mode.
3. Set the INPUT signal to the 30 IRE FLAT FIELD signal.
4. Adjust the chromaticity (x, y) to (0.290, 0.320) by the BIAS R and B.
5. Repeat above steps 1 to 4 until the chromaticity become the following values.
   (0.290 ±0.002, 0.320 ±0.004)

2) HIGH Mode of INPUT-A

1. Input the 80 IRE FLAT FIELD signal to INPUT-A.
2. Set the GAIN G to the integar of MID mode value ×0.96 with the HIGH mode of the W/B.
3. Input the 30 IRE signal to INPUT-A.
4. Adjust the chromaticity (x at 0.284, y at 0.298) values by the BIAS R and B of W/B HIGH mode.
5. Input the 80 IRE signal to INPUT-A.
6. Adjust the chromaticity (x at 0.284, y at 0.298) values by the GAIN R and B.
7. Repeat above steps 3. to 6. until the chromaticity become the following values.
   x: 0.284 ±0.002, y: 0.298 ±0.004

3) LOW Mode of INPUT-A

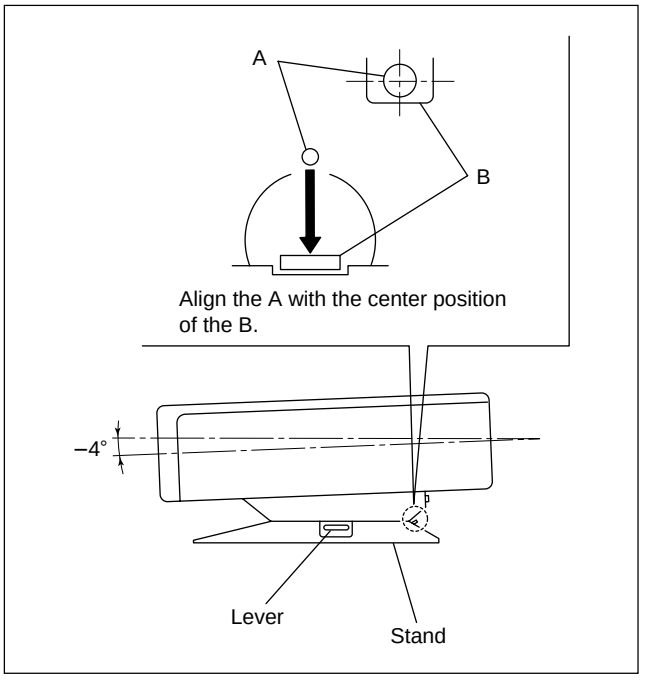
1. Input the 80 IRE FLAT FIELD signal to INPUT-A.
2. Input the 30 IRE signal to INPUT-A.
3. Adjust the chromaticity (x at 0.313, y at 0.329) values by the BIAS R and B of W/B LOW mode.
4. Input the 80 IRE signal to INPUT-A.
5. Adjust the chromaticity (x at 0.313, y at 0.329) values by the GAIN G and B.
6. Repeat above steps 2 to 5 until the chromaticity become the following values.
   x: 0.313± 0.002, y: 0.329± 0.004

4) MID/HIGH/LOW Mode of VIDEO

1. Input the VIDEO signal of NTSC or PAL.
2. Set the BIAS R, G and B and GAIN R, G and B of MID, HIGH and LOW mode of W/B that are equal to the values of corresponding items in INPUT-A. (Altogether 18 items)

2-5. Tilt Adjustment

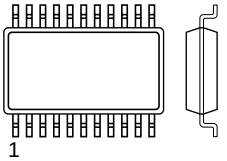
1. Set the Factory mode to “Device Adjust/OTHER”.
2. Adjust the stand and put the main unit into the horizontal state. (The horizontal state of this unit is forward tilted by −4 °.)



3. Then, enter the X TILT value to C0.
4. Set the unit upward in vertically.
5. Then, enter the X TILT value to C1.
6. Set the unit downward in vertically.
7. Then, enter the X TILT value to C2.
8. Save the each values of C0, C1 and C2 described in step3, 5 and 7.

Section 3
Semiconductors

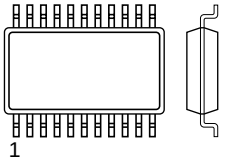
24LC21AT/SN
ICS332-SX1746
M24C64-WMN6T(A)
MAX1626ESA-TE2
MM1228XFBE
SN74LV08APWR
ST24FC21M6TR
TA75W393FU
TA75W393FU-TE12R
TC7WH125FK(TE85R)
TC7WH74FU(TE12R)
TL431BCDR2



TOP VIEW

8PIN SOP

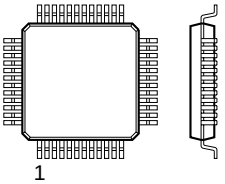
74VHC02MTCX
TC74VHCT04AFT(EL)
SN74AHCT04PWR
SN74AHCT541PWR
SN74LV00APWR



TOP VIEW

14PIN SOP

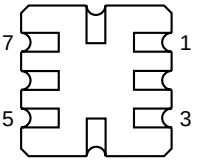
AD9888KS-100



TOP VIEW

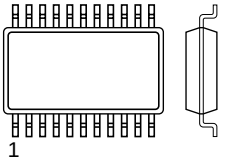
128PIN QFP

ADXL202JE-REEL



BOTTOM VIEW

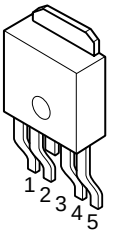
AK4352VT-E2
BU4052BCFV-E2
SN74LV4052APWR
SN74LV4053APWR
TC74VHC123AFT(EL)
TPA2000D1PW



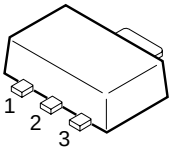
TOP VIEW

16PIN SOP

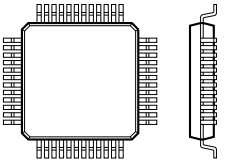
BA00ASFP-E2



BA033FP-E2
BA05FP-E2



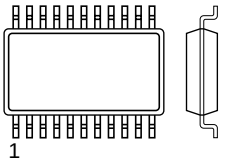
HD64F2377VFQ33V



TOP VIEW

144PIN QFP

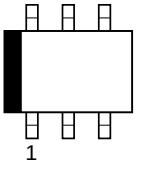
HY57V161610DTC-7TR



TOP VIEW

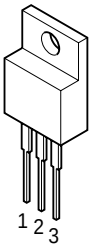
50PIN TSOP

IRMF-A0T-QTP
TK11900MTL

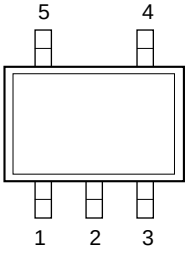


TOP VIEW

L88M05T-FA-TL
NJM78M09DL1A(TE1)

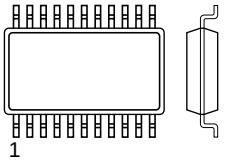


LP2985IM5X-3.3
S-80928ANMP-DDR-T2
SN74AHC1G00DCKR
TC4W53FU
TC4W53FU(TE12R)
TC7SET04FU(TE85R)
TC7SZ125FU(TE85R)



5PIN CHIP

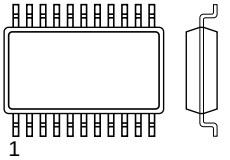
M52347FP-TE
SN74LV125APWR
TC74VHCT540AFT(EL)



TOP VIEW

20PIN SOP

M62392FP

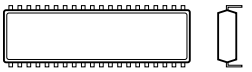


TOP VIEW

24PIN SOP

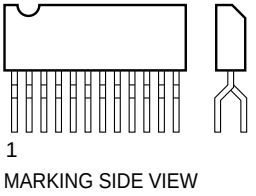
IC, Transistor

MCZ3001D

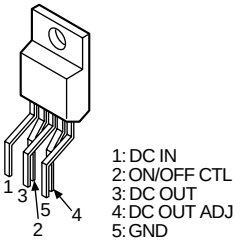


18PIN DIP

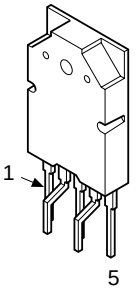
MZ1540



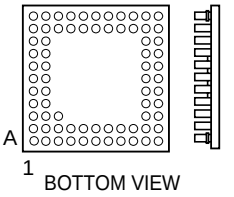
PQ20VZ1U



PQ2TZ15U

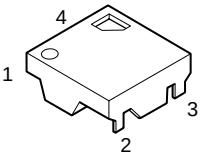


PW265-10T

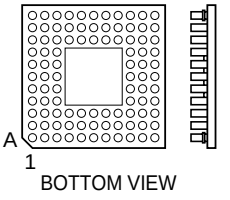


256PIN BGA

RS-140-T

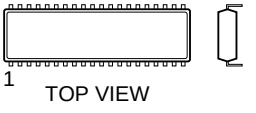


SAA7118E/V1.518



156PIN BGA

TDA7309D013TR



20PIN DIP

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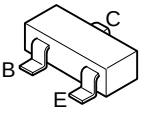
2SA1162-YG-TE85L
2SA1576A-T106-QR
2SC2712-YG
2SC2712-YG-TE85L
2SC4081-R
2SC4081T106R
DTA144EUA-T106
DTC144EKA
DTC144EKA-T146
DTC114EU
DTC114EUA-T106
DTC144EUA-T106



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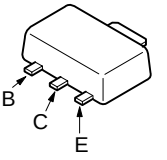

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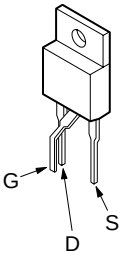
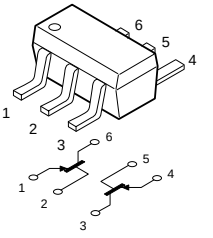


HN1A01FU-TE85R
HN1B01FU-TE85R
HN1C01FU-TE85R
HN1C03FU-TE85R



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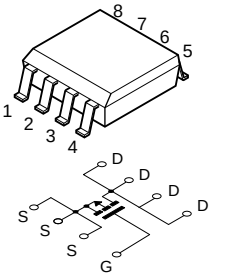

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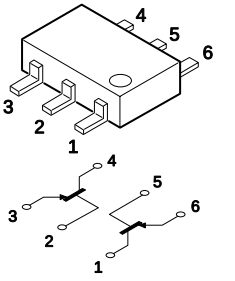
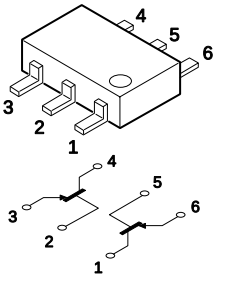


XP4501



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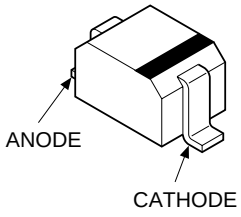
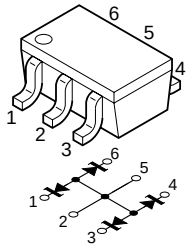
MA111-TX
RD9.1SB2-T1
RD5.6SB-T1
RD3.9SB-T1



BZA456A



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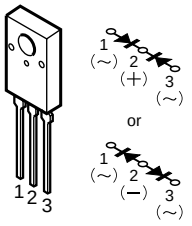

D10SC6M

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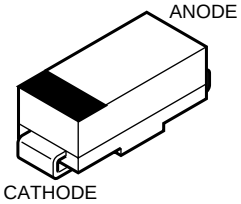
D2FS6-TA
EC31QS03L-TE12L



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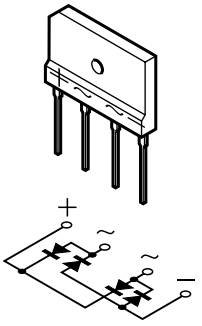
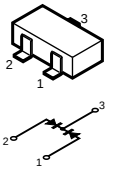
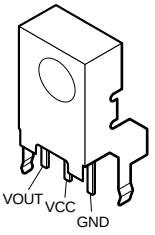


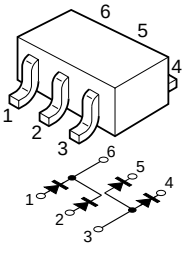
DAN202K
DAN202K-T-146
DAN202U
DAN202UT106
DAP202K
DAP202K-T-146



GP1U28Y



HN1D03FU-TE85R
HN1D03FU-TE85L



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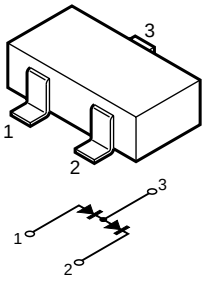
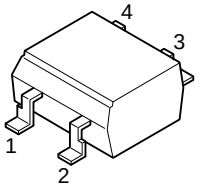
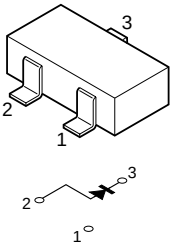


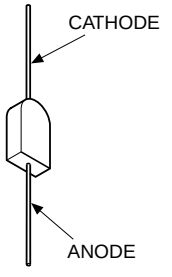
PC123GY2



RD13M-T1B
RD18M-T1B1
RD33M-T1B
RD7.5M-B2
RD7.5M-T1B
UZM13B



RM11C
RM11C-V1



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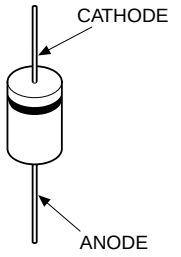
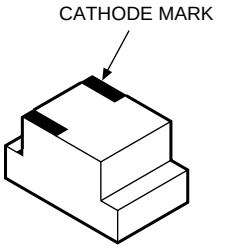


SEC1801C
SEC1901C
SEC2422C



Section 4
Spare Parts

4-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

WARNHINWEIS

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts List has the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the Spare Parts list may not be stocked. Therefore, the delivery date will be delayed.
Items with no part number and no description are not stocked because they are seldom required for routine service.

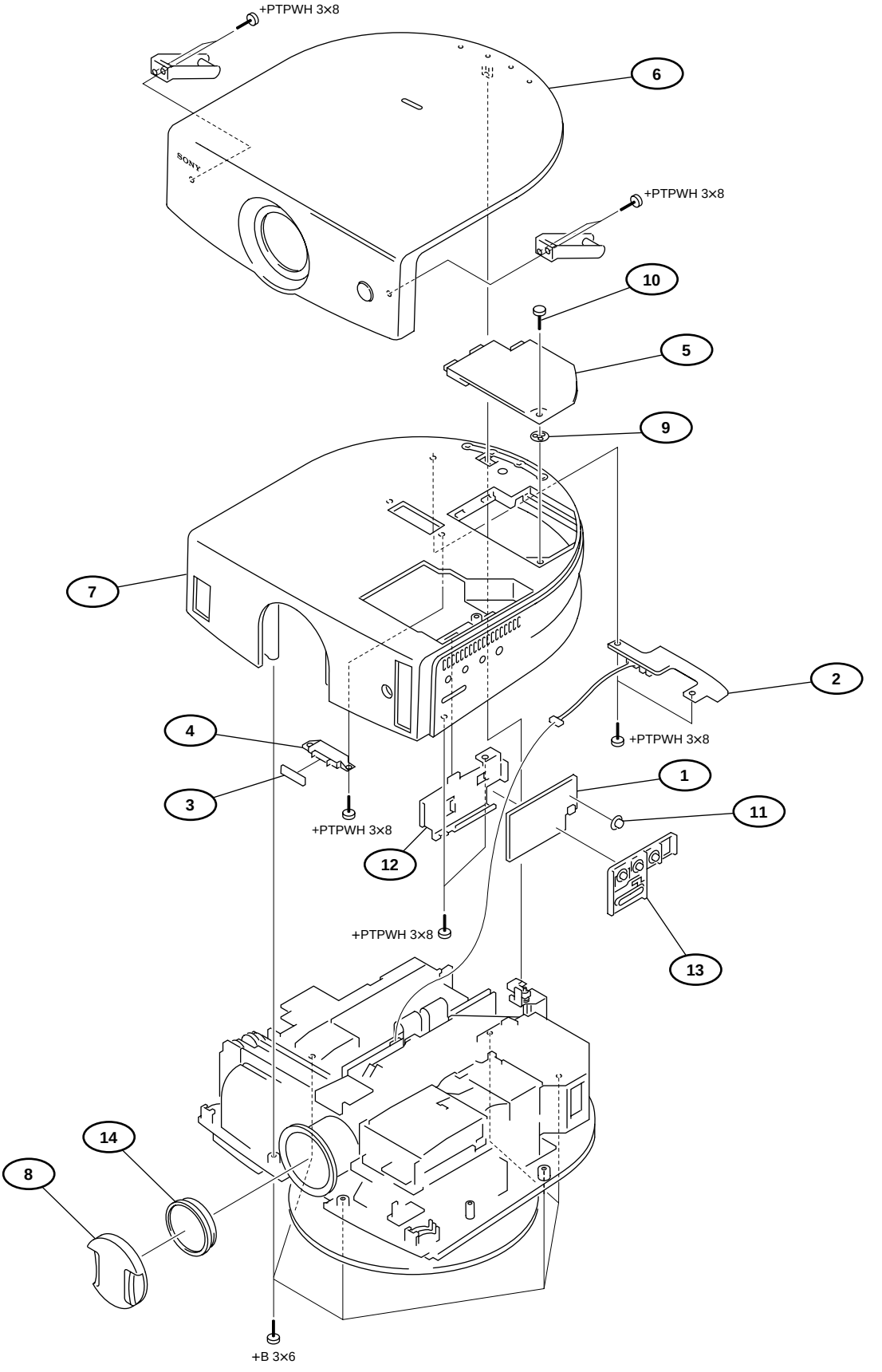
4. Units for Capacitors, Inductors and Resistors

The following units are assumed in Schematic Diagrams, Electrical Parts List and Exploded Views unless otherwise specified.

Capacitors	: μF
Inductors	: μH
Resistors	: Ω

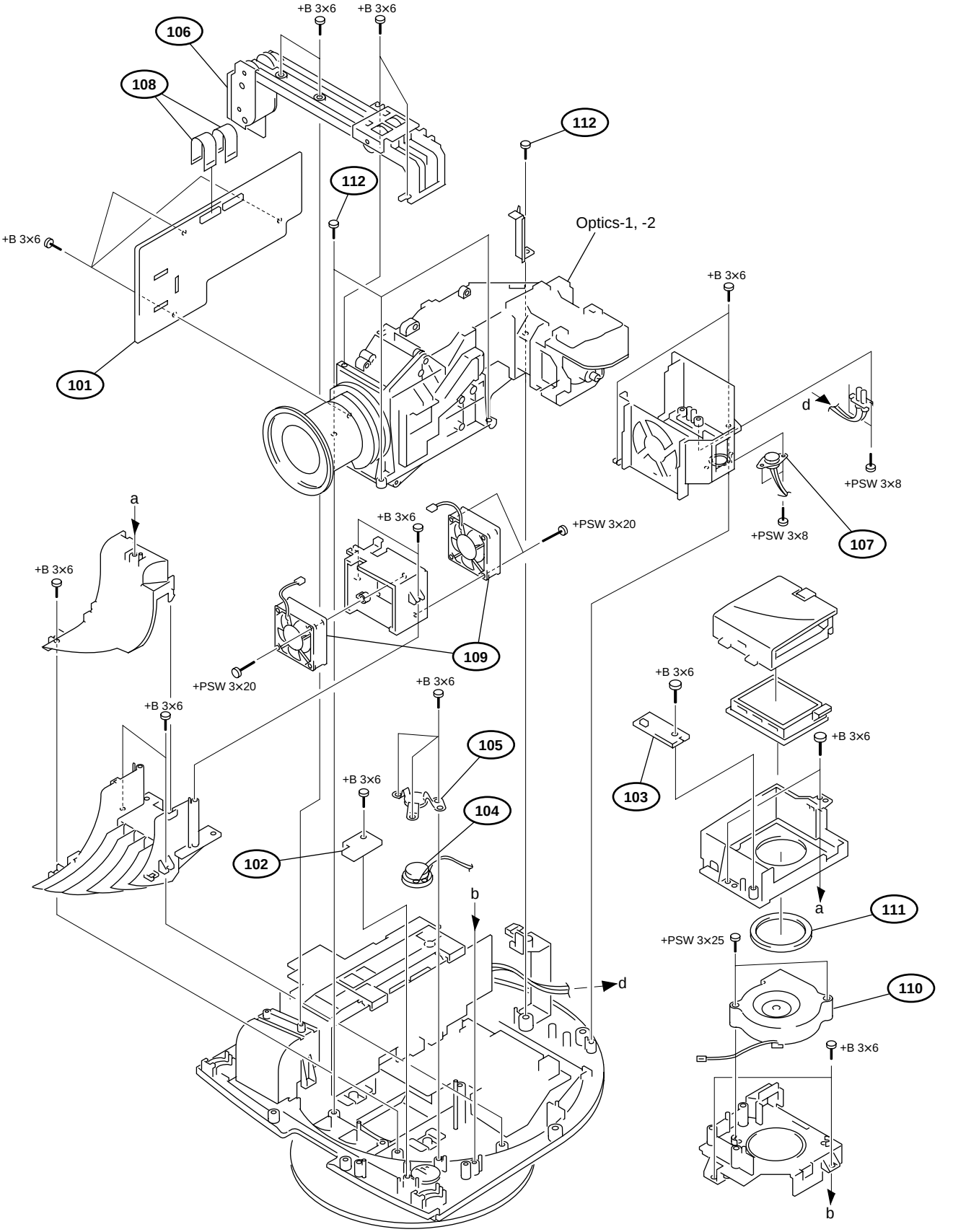
4-2. Exploded Views

4-2-1. Cover



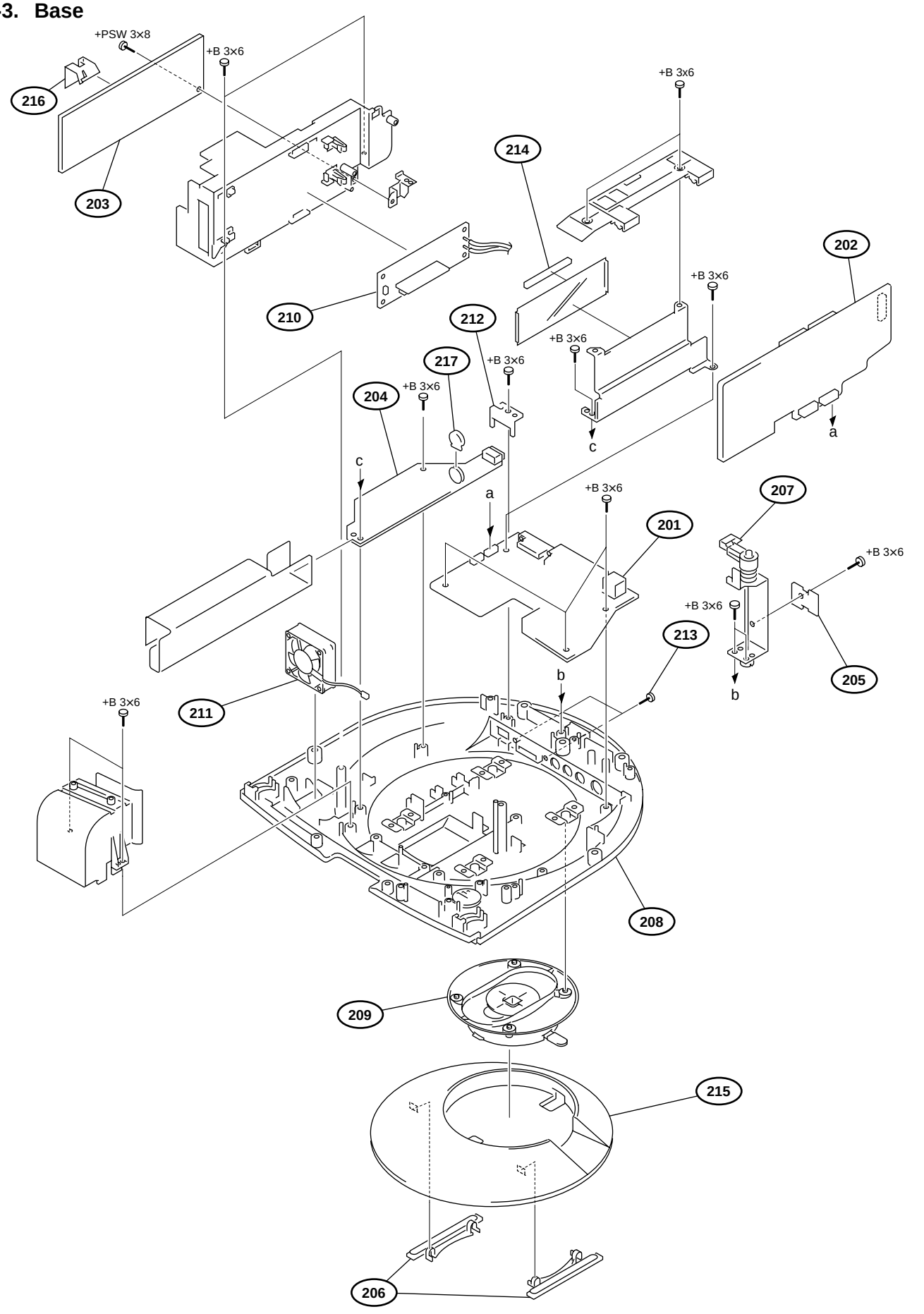
No.		Part No.	SP	Description	
1		A-1401-683-A	s	MOUNTED CIRCUIT BOARD, HA	
2		A-1401-684-A	s	MOUNTED CIRCUIT BOARD, HB	
3		A-1401-685-A	s	MOUNTED CIRCUIT BOARD, L	
4		X-4041-023-1	s	GUIDE LIGHT ASSY	
5	⚠	4-092-515-01	s	COVER, LAMP	
6	⚠	X-4041-131-1	s	COVER ASSY, TOP	
7	⚠	X-4041-132-1	s	HOOD ASSY	
8		X-4039-446-1	s	CAP ASSY, LENS	
9		3-715-526-01	o	WASHER (M3)	(PLA)
10		4-066-202-01	s	SCREW, M3	
11		4-092-444-01	s	BUTTON (P)	
12		4-092-499-01	o	HOLDER, BUTTON (H)	
13		4-092-512-01	s	BUTTON (H)	
14		4-092-436-01	s	FILTER, LENS (CINEMA FILTER)	
		7-682-547-04	s	SCREW +B 3X6	
		7-685-903-21	s	SCREW +PWHTP 3X8	

4-2-2. Chassis


+B 3×6
+B 3×6
106
108
112
112
Optics-1, -2
+B 3×6
101
+B 3×6
d
+PSW 3×8
+PSW 3×8
107
a
+B 3×6
+PSW 3×20
+B 3×6
+PSW 3×20
109
+B 3×6
+B 3×6
+B 3×6
105
+B 3×6
104
102
b
d
+B 3×6
+B 3×6
103
a
111
+PSW 3×25
110
+B 3×6
b

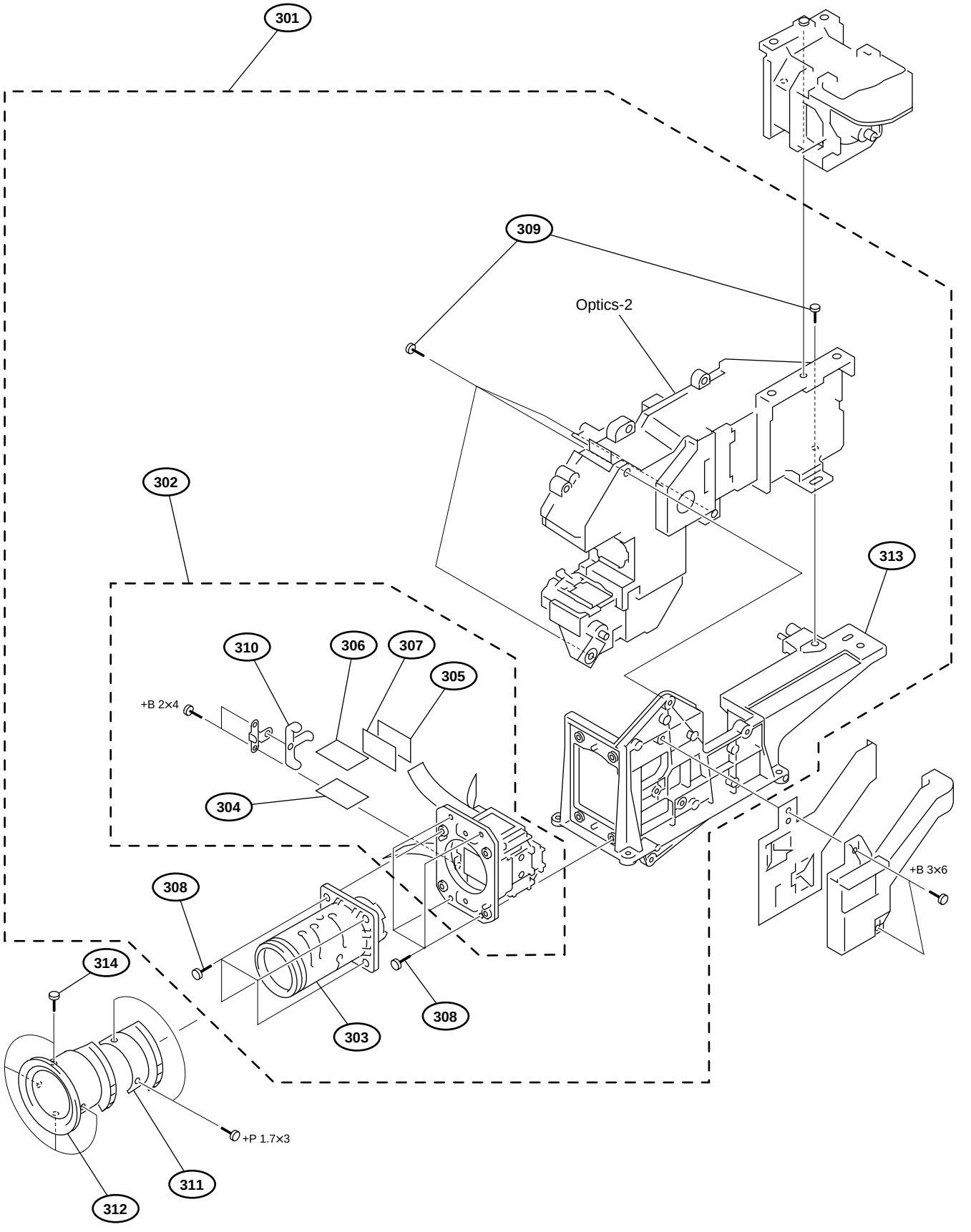
No.	Part No.	SP	Description
101	A-1300-816-A	s	MOUNTED CIRCUIT BOARD, C
102	A-1401-687-A	s	MOUNTED CIRCUIT BOARD, NF
103	A-1401-691-A	s	MOUNTED CIRCUIT BOARD, U
104	A-1604-081-A	s	SPEAKER ASSY
105	X-4039-453-1	o	SPRING ASSY, SPEAKER
106	X-4041-134-1	s	UNIT ASSY, JOG
107 ⚠	1-576-701-11	o	THERMOSTAT
108	1-900-271-51	s	CONNECTOR ASSY, FLAT 50P
109 ⚠	1-763-746-21	s	FAN, DC
110 ⚠	1-763-757-11	s	FAN, BLOWER
111	4-092-447-01	s	PACKING (IN)
112	4-082-759-01	s	SCREW, MACHINE, (+P)M 4X12
	7-682-547-04	s	SCREW +B 3X6
	7-682-948-09	s	SCREW +PSW 3X8
	7-682-953-09	s	SCREW +PSW 3X20
	7-682-954-09	s	SCREW +PSW 3X25

4-2-3. Base


+PSW 3×8
+B 3×6
216
203
+B 3×6
214
202
+B 3×6
210
212
217
+B 3×6
+B 3×6
204
+B 3×6
c
a
c
a
+B 3×6
207
201
+B 3×6
+B 3×6
213
205
b
b
+B 3×6
211
208
209
215
206

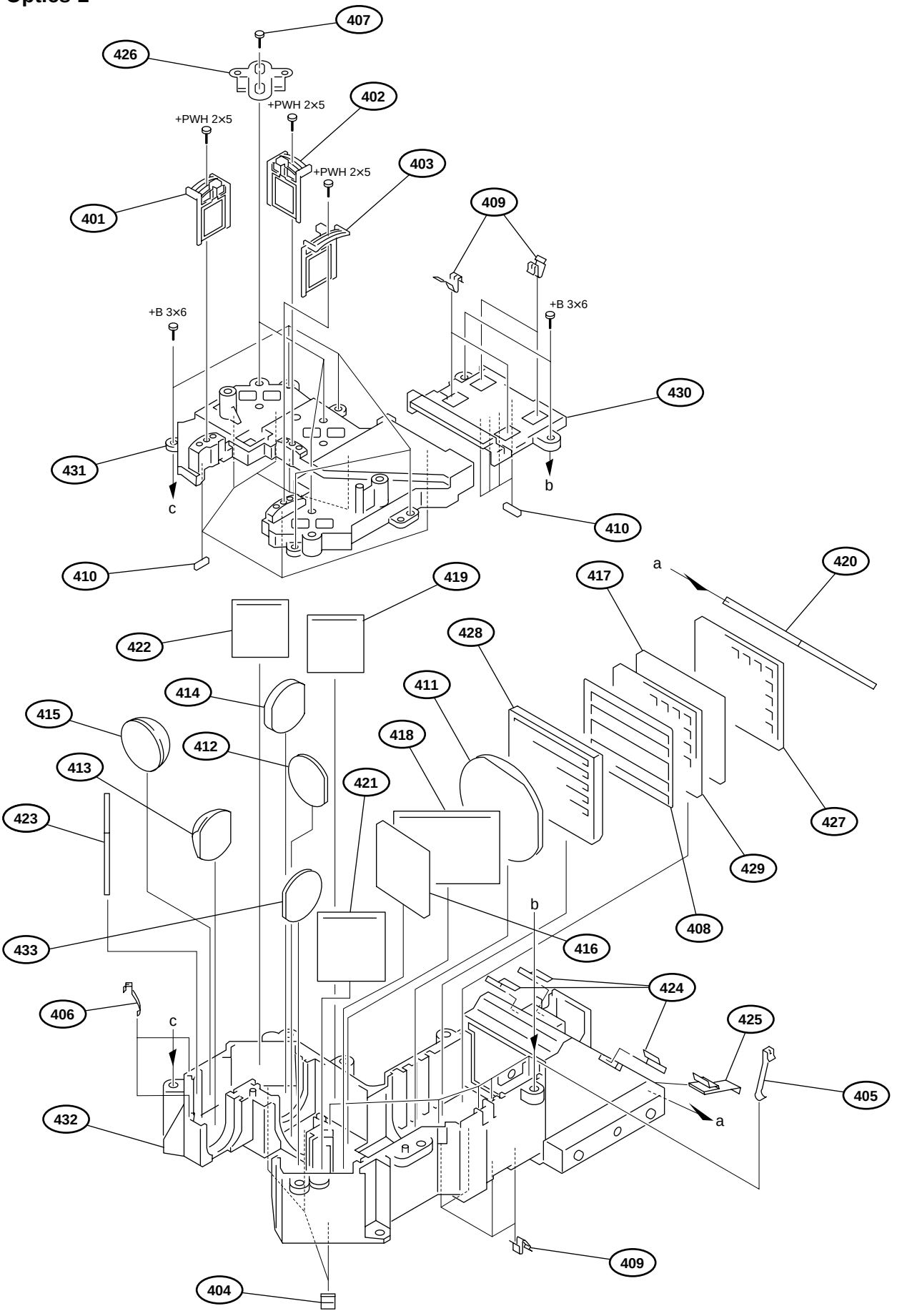
No.		Part No.	SP	Description
201		A-1300-814-A	s	MOUNTED CIRCUIT BOARD, QA
202		A-1300-815-A	s	MOUNTED CIRCUIT BOARD, B
203		A-1300-817-A	s	MOUNTED CIRCUIT BOARD, G
204		A-1300-966-A	s	MOUNTED CIRCUIT BOARD, F
205		A-1401-688-A	s	MOUNTED CIRCUIT BOARD, NR
206		X-4041-121-1	s	ADJUSTOR (A), ASSY
206		X-4041-122-1	s	ADJUSTOR (B), ASSY
206		X-4041-123-1	s	ADJUSTOR (C), ASSY
207		X-4041-127-1	o	HOLDER ASSY, RE
208	⚠	X-4041-133-1	s	BASE ASSY
209		X-4041-135-1	s	STAND (MAIN), ASSY
210	⚠	1-468-732-11	s	POWER SUPPLY BLOCK (LAMP)
211	⚠	1-763-758-11	s	FAN, DC
212		4-085-052-01	o	HOLDER (AC)
213		4-085-075-01	s	SCREW M 1.6X5, SPECIAL HEAD
214		4-092-446-01	o	SHEET, HEAT
215	⚠	4-092-525-01	s	STAND
216	⚠	4-092-659-01	o	SHEET (GL)
217		4-374-846-01	o	COVER, CAPACITOR, CAP TYPE
		7-682-547-04	s	SCREW +B 3X6

4-2-4. Optics-1


301
309
Optics-2
302
313
310
306
307
305
+B 2×4
304
308
+B 3×6
314
303
308
+P 1.7×3
311
312

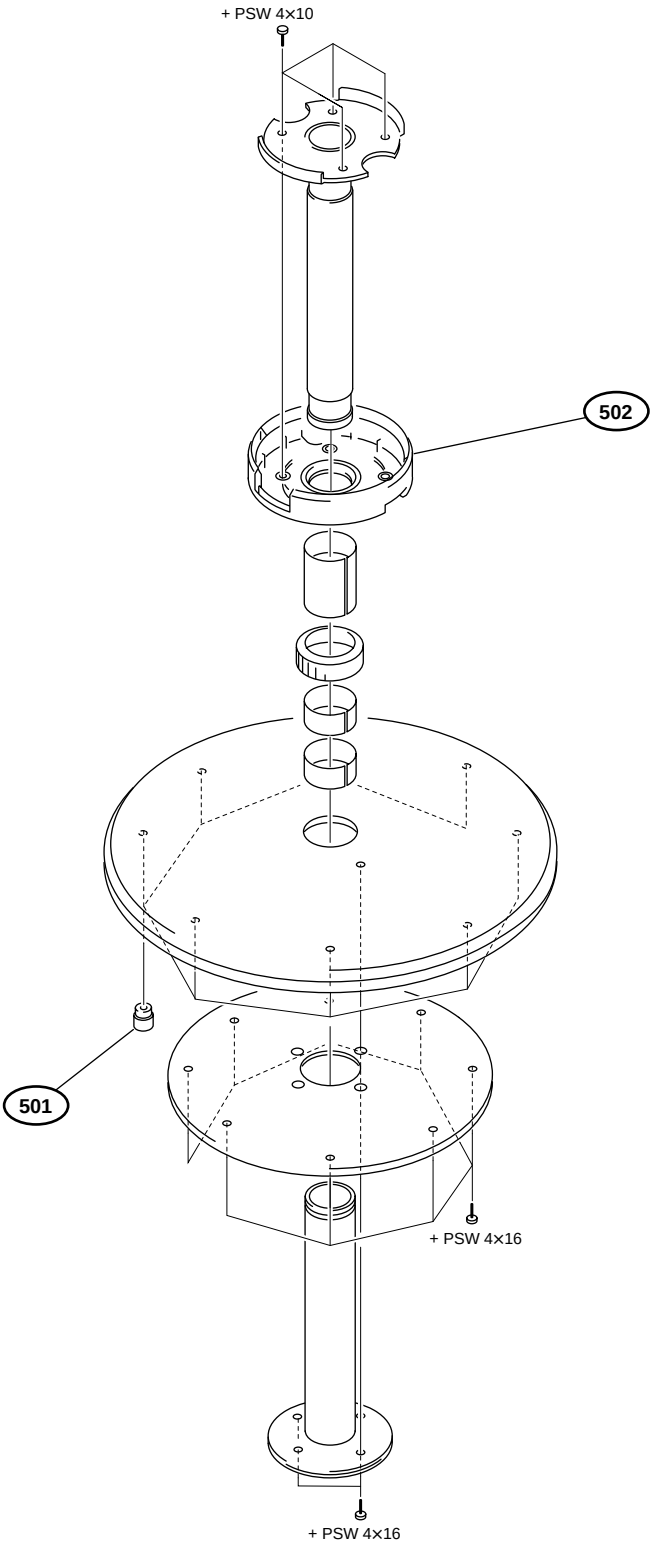
No.	Part No.	SP	Description
301	A-1604-196-A	s	OPTICS BLOCK ASSY
302	A-1604-198-A	s	PRISM BLOCK ASSY
303	A-1604-200-A	s	PROJECTION LENS ASSY
304	A-1604-205-A	s	OUT-POLARIZER (R) ASSY
305	A-1604-206-A	s	OUT-POLARIZER (G) ASSY
306	A-1604-207-A	s	OUT-POLARIZER (B) ASSY
307	A-1604-208-A	s	OUT-POST-POLARIZER (G) ASSY
308	4-074-474-01	s	+BSW M3X8
309	4-082-759-01	s	SCREW, MACHINE, +P M 4X12
310	4-092-417-01	o	HOLDER, OUT-POLARIZER
311	4-092-497-01	o	COVER, ZOOM
312	4-092-498-01	o	COVER, FOCUS
313	4-092-522-01	o	BASE, FRAME
314	4-887-321-01	s	SCREW (+B 1.7X4) (G), TAPPING (ST)
	7-621-772-10	s	SCREW +B 2X4
	7-627-552-38	s	SCREW +P 1.7X3

4-2-5. Optics-2


407
426
402
+PWH 2×5
+PWH 2×5
+PWH 2×5
403
401
409
+B 3×6
+B 3×6
430
431
c
b
410
410
a
420
417
419
422
428
414
411
415
412
418
413
421
423
427
429
433
408
416
b
424
406
c
425
405
a
432
409
404

No.	Part No.	SP	Description
401	A-1604-202-A	s	IN-POLARIZER (R) ASSY
402	A-1604-203-A	s	IN-POLARIZER (G) ASSY
403	A-1604-204-A	s	IN-POLARIZER (B) ASSY
404	4-066-172-01	o	FASTENER (OPT), MIRROR
405	4-082-745-01	o	SPRING (FY)
406	4-082-746-01	o	SPRING (R)
407	4-089-527-01	s	+BSW M2X5
408	4-092-420-01	o	APERTURE, PS CON
409	4-092-421-01	o	FASTENER (FY)
410	4-092-422-01	o	CUSHION
411	4-092-423-01	o	LENS, MAIN CONDENSER
412	4-092-424-01	o	LENS, G-CH CONDENSER
413	4-092-425-01	o	LENS, R-CH CONDENSER
414	4-092-426-01	o	LENS, RELAY-1
415	4-092-427-01	o	LENS, RELAY-2
416	4-092-434-01	o	FILTER, UV-ABSORB
417	4-092-437-01	o	FILTER, UV-PRE-CUT
418	4-092-438-01	o	DICHROIC MIRROR, B-TRANS
419	4-092-439-01	o	DICHROIC MIRROR, G-REFRECT
420	4-092-440-01	o	MIRROR, MAIN
421	4-092-441-01	o	MIRROR, B-CHANNEL
422	4-092-442-01	o	MIRROR, R-CHANNEL-1
423	4-092-443-01	o	MIRROR, R-CHANNEL-2
424	4-092-475-01	o	FASTENER (A), MAIN MIRROR
425	4-092-476-01	o	FASTENER (B), MAIN MIRROR
426	4-092-480-01	o	BRACKET (RGB), ADJUSTOR
427	4-092-481-01	o	FLY EYE, LENS-1
428	A-1640-201-A	s	PS ASSY
429	4-092-484-01	o	FLY EYE, LENS-2
430	4-092-504-01	o	COVER (R), UNIT
431	4-092-519-01	o	COVER (F), UNIT
432	4-092-520-01	o	BASE, UNIT
433	4-092-720-01	o	LENS, B-CH CONDENSER
	7-681-000-00	s	SCREW +PWH M2X5
	7-682-547-04	s	SCREW +B 3X6

4-2-6. SU-HS2



No.	Part No.	SP	Description
501	4-085-663-01	o	FOOT, RUBBER
502	⚠ 4-092-674-01	o	STAND
	7-682-962-01	s	SCREW +PSW 4X10
	7-682-965-01	s	SCREW +PSW 4X16

4-3. Electrical Parts List

B BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-815-A	s	MOUNTED CIRCUIT BOARD, B
C151	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C152	1-128-995-11	s	CAPACITOR ELECT 100MF / 10 V
C153	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C154	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C222	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C223	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C224	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C230	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C231	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C232	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C233	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C234	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C235	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C236	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C237	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C238	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C239	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C240	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C242	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C243	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C245	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C246	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C247	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C248	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C249	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C250	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C251	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C252	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C253	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C254	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C255	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C256	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C257	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C258	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C259	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C262	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C263	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C264	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C301	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C302	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C303	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C304	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C305	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C306	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C307	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C308	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C309	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C310	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C311	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C312	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C313	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C314	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C315	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C316	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C317	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C318	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C319	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C320	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C321	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C322	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C323	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C324	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C325	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C326	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C327	1-124-778-00	s	CAPACITOR,ELECT 22MF/6.3V
C328	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C329	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C330	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C331	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C332	1-135-995-91	s	CAP,CHIP CERAMIC39000PF B 1608
C333	1-117-446-11	s	CAPACITOR CERAMIC 3900PF 16V
C334	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C335	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C336	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C337	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C338	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C339	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C340	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C341	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C351	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C352	1-124-778-00	s	CAPACITOR,ELECT 22MF/6.3V
C353	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C354	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C355	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C356	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C357	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C358	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C359	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C403	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C404	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C405	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C406	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C407	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C408	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C409	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C410	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C411	1-126-246-11	s	CAPACITOR ELECT 220MF/4V(CHIP)
C412	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C413	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C415	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C416	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C417	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C418	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C419	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C420	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C421	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C422	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C423	1-126-246-11	s	CAPACITOR ELECT 220MF/4V(CHIP)
C424	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C425	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C426	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C427	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C428	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C429	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C430	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C431	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C432	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C433	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C434	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C435	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C436	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C437	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C440	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C451	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C452	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C453	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C454	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C455	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C456	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C457	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C458	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C459	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C460	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C461	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C462	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C463	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C501	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C502	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C503	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C504	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C505	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C506	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C507	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C508	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C509	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C510	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C512	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C513	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C514	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C515	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C516	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C517	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C518	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C519	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C520	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C521	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C522	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C523	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C524	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C525	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C526	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C527	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C528	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C529	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C530	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C531	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C532	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C533	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C534	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C535	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C536	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C537	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C538	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C539	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C540	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C541	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C542	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN101	1-785-613-11	o	CONNECTOR, FFC/FPC 50P
CN102	1-785-613-11	o	CONNECTOR, FFC/FPC 50P
CN103	1-793-797-21	o	CONNECTOR, BOARD TO BOARD
CN104	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN151	1-764-007-11	o	PIN, CONNECTOR (SMD) 12P
CN501	1-770-620-21	s	PIN, CONNECTOR 3P
D223	8-719-059-53	s	DIODE MA3J14700LSO
D226	8-719-059-53	s	DIODE MA3J14700LSO
D228	8-719-059-53	s	DIODE MA3J14700LSO
D301	8-719-059-53	s	DIODE MA3J14700LSO
D302	8-719-059-53	s	DIODE MA3J14700LSO
D303	8-719-059-53	s	DIODE MA3J14700LSO
D304	8-719-059-53	s	DIODE MA3J14700LSO
D351	8-719-988-61	s	DIODE 1SS355TE-17
D501	8-719-941-86	s	DIODE DAN202U
FB222	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB301	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB303	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB351	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB401	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB402	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB403	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB404	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB405	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB406	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB451	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB452	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB501	1-400-150-11	s	FERRITE, EMI (SMD)
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB503	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB504	1-400-150-11	s	FERRITE, EMI (SMD)
IC151	8-759-596-39	s	IC SN74LV4052APWR
IC152	8-759-548-95	s	IC SN74LV00APWR
IC223	8-759-460-72	s	IC BA033FP
IC224	8-759-659-65	s	IC LP2985IM5X-3.3
IC226	----------		IC M24C64-WMN6T(B)

Note If this IC has failed, replace the whole B board.

IC301	8-759-460-72	s	IC BA033FP
IC302	8-759-659-65	s	IC LP2985IM5X-3.3
IC303	6-703-362-01	s	IC AD9888KS-100
IC403	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC405	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC407	8-759-663-74	s	IC HY57V161610DTC-7TR
IC502	8-759-582-37	s	IC PQ2TZ15U
IC504	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC505	8-759-478-92	s	IC TC7SET04FU(TE85R)
IC506	6-703-111-01	s	IC ICS332M-SX1746
IC509	6-703-144-01	s	IC MX29LV800TTC-70G-SX1746
L151	1-409-529-41	s	COIL, CHOKE 10UH
L152	1-409-529-41	s	COIL, CHOKE 10UH
L222	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L223	1-469-525-91	s	INDUCTOR 10UH (NLFV25)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L224	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L502	1-469-528-91	s	INDUCTOR 100UH (NLFV25)
Q401	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R104	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R108	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R109	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R110	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R113	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R114	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R118	1-218-937-11	s	RESISTOR, CHIP 47
R119	1-218-937-11	s	RESISTOR, CHIP 47
R120	1-218-937-11	s	RESISTOR, CHIP 47
R151	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R152	1-218-937-11	s	RESISTOR, CHIP 47
R153	1-218-937-11	s	RESISTOR, CHIP 47
R154	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R155	1-218-937-11	s	RESISTOR, CHIP 47
R156	1-218-937-11	s	RESISTOR, CHIP 47
R157	1-218-937-11	s	RESISTOR, CHIP 47
R158	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R159	1-218-937-11	s	RESISTOR, CHIP 47
R160	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R161	1-218-937-11	s	RESISTOR, CHIP 47
R162	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R163	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R224	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R225	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R226	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R227	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R228	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R230	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R231	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R234	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R235	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R240	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R241	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R242	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R243	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R244	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R250	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R251	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R253	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R254	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R255	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R256	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R258	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R259	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R263	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R264	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R266	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R267	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R268	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R269	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R270	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R272	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R273	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R274	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R275	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R301	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R302	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R303	1-218-937-11	s	RESISTOR, CHIP 47
R305	1-218-937-11	s	RESISTOR, CHIP 47
R307	1-218-937-11	s	RESISTOR, CHIP 47
R308	1-218-937-11	s	RESISTOR, CHIP 47
R309	1-218-937-11	s	RESISTOR, CHIP 47
R310	1-218-937-11	s	RESISTOR, CHIP 47
R311	1-218-937-11	s	RESISTOR, CHIP 47
R312	1-218-937-11	s	RESISTOR, CHIP 47
R313	1-218-937-11	s	RESISTOR, CHIP 47
R314	1-218-937-11	s	RESISTOR, CHIP 47
R315	1-218-937-11	s	RESISTOR, CHIP 47
R316	1-218-937-11	s	RESISTOR, CHIP 47
R318	1-218-937-11	s	RESISTOR, CHIP 47
R320	1-218-937-11	s	RESISTOR, CHIP 47
R321	1-218-937-11	s	RESISTOR, CHIP 47
R322	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R323	1-218-937-11	s	RESISTOR, CHIP 47
R324	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R351	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R353	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R354	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R355	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R356	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R357	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R360	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R361	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R362	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R363	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R364	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R401	1-218-937-11	s	RESISTOR, CHIP 47
R402	1-218-937-11	s	RESISTOR, CHIP 47
R403	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R404	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R407	1-218-937-11	s	RESISTOR, CHIP 47
R408	1-218-937-11	s	RESISTOR, CHIP 47
R412	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R414	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R417	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R418	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R420	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R421	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R422	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R423	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R424	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R425	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R426	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R427	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R428	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R429	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R430	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R431	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R432	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R433	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R435	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R437	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R438	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R441	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R443	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R444	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R446	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R448	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R451	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R452	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R453	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R454	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R455	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R456	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R462	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R463	1-208-709-11	s	RESISTOR CHIP 12K 1/16W (1005)
R464	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R502	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R503	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R504	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R505	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R508	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R510	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R511	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R512	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R513	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R514	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R516	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R517	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R518	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R519	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R520	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R521	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R522	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R523	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R524	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R525	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R526	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R529	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R530	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R531	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R532	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R538	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R540	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R541	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
RB221	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB222	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB223	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB224	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB301	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB302	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB303	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB304	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB305	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB306	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB307	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB308	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB309	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB310	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB311	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB312	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB313	1-234-371-11	s	RES, NETWORK 47X4 (1005)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB351	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB352	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB353	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB354	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB355	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB356	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB357	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB358	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB359	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB360	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB361	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB362	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB363	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB364	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB401	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB402	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB403	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB404	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB405	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB406	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB407	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB408	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB409	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB410	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB411	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB412	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB451	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB452	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB453	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB454	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB455	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB456	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB457	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB458	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB459	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB460	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB461	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB462	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB501	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB502	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB503	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB504	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB505	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB506	1-234-372-21	s	RES, NETWORK 100X4 (1005)
TP101	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP201	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP351	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP352	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP353	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP501	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP502	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP503	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP504	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP505	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X221	1-795-219-21	s	VIBRATOR, CRYSTAL

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
X401	1-781-544-11	s	VIBRATOR, CERAMIC
X501	1-795-650-21	s	VIBRATOR, CRYSTAL

C BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-816-A	s	MOUNTED CIRCUIT BOARD, C
C521	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C522	1-165-871-11	s	CAPACITOR,ELECT 22MF
C523	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C524	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C525	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C526	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C527	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C528	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C529	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C530	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C531	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C532	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C533	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C534	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C535	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C536	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C537	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C538	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C539	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C540	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C542	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C543	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C544	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C600	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C601	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C602	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C603	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C604	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C605	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C606	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C607	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C608	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C609	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C610	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C611	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C612	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C613	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C614	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C615	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C616	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C617	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C618	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C619	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C620	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C621	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C622	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C623	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C624	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C625	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C626	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C627	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C628	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C629	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C630	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C631	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C632	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C633	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C634	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C635	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C636	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C638	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C640	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C641	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C642	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C643	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C701	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C702	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C703	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C704	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C705	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C706	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C707	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C708	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C709	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C710	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C711	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C712	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C713	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C715	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C716	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C717	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C718	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C719	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C726	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C727	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C728	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C729	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C730	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C731	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C751	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C752	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C753	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C754	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C756	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C757	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C758	1-126-197-11	s	CAPACITOR ERECT 10MF/50V
C759	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C760	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C761	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C762	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C763	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C764	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C765	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C766	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C767	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C768	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C769	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C770	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C771	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C772	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C773	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C774	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C775	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C776	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C777	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C778	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V

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Ref. No. or Q'ty	Part No.	SP	Description
C801	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C802	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C803	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C809	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C810	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C811	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C812	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C813	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C814	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C815	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C816	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C817	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C818	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C819	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C820	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C821	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C822	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C823	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C824	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C825	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C826	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C851	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C852	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C853	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C859	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C860	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C861	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C862	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C863	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C864	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C865	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C866	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C867	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C868	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C869	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C870	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C871	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C872	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C873	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C874	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C875	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C876	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
CN501	1-785-613-11	o	CONNECTOR, FFC/FPC 50P
CN502	1-785-613-11	o	CONNECTOR, FFC/FPC 50P
CN522	1-770-629-21	s	PIN, CONNECTOR 12P
CN601	1-770-629-21	s	PIN, CONNECTOR 12P
CN602	1-770-619-11	o	PIN, CONNECTOR 2P
CN603	1-770-621-21	s	PIN, CONNECTOR 4P
CN605	1-764-643-21	o	PIN, CONNECTOR (SMD) 11P
CN606	1-770-622-21	s	PIN, CONNECTOR 5P
CN607	1-580-057-11	o	PIN,CONNECTOR 4P
CN609	1-580-056-21	o	PIN,CONNECTOR 3P
CN610	1-580-789-21	o	PIN,CONNECTOR (SMD) 6P
CN612	1-580-056-21	o	PIN,CONNECTOR 3P
CN701	1-779-884-11	s	PLUG, CONNECTOR 4P
CN752	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN802	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN852	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P

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Ref. No. or Q'ty	Part No.	SP	Description
D521	8-719-024-77	s	DIODE HN1D03FU-TE85L
D600	8-719-073-01	s	DIODE MA111-(K8).S0
D601	8-719-073-11	s	DIODE BZA456A
D604	8-719-073-01	s	DIODE MA111-(K8).S0
D605	8-719-073-01	s	DIODE MA111-(K8).S0
D606	8-719-073-01	s	DIODE MA111-(K8).S0
D607	8-719-073-01	s	DIODE MA111-(K8).S0
D608	8-719-073-01	s	DIODE MA111-(K8).S0
FB521	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB522	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB600	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB604	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB606	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB607	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB608	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB609	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB610	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB611	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB612	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB613	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB614	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB615	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB616	1-400-150-11	s	FERRITE, EMI (SMD)
FB617	1-400-150-11	s	FERRITE, EMI (SMD)
FB618	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB619	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB620	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB621	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB622	1-469-670-11	o	FERRITE, EMI (SMD)
FB623	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB624	1-469-670-11	o	FERRITE, EMI (SMD)
FB625	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB626	1-469-670-11	o	FERRITE, EMI (SMD)
FB627	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB628	1-469-670-11	o	FERRITE, EMI (SMD)
FB629	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB630	1-469-670-11	o	FERRITE, EMI (SMD)
FB631	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB632	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB633	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB634	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB701	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB702	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB703	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB704	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB705	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB706	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB707	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB708	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB709	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB710	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB711	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB751	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB756	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB757	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB801	1-414-921-11	s	INDUCTOR, FERRITE BEAD

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Ref. No. or Q'ty	Part No.	SP	Description
FB807	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB851	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB857	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FL600	1-239-899-21	s	FILTER, CHIP EMI
FL601	1-239-899-21	s	FILTER, CHIP EMI
IC521	8-759-460-72	s	IC BA033FP
IC522	8-759-649-43	s	IC SN74AHC1G00DCKR
IC523	8-759-471-89	s	IC 74VHC02MTCX
IC524	8-759-549-01	s	IC SN74LV125APWR
IC525	6-702-624-01	s	IC HD64F2377VFQ33V
Note	Replace this IC after it is written in all kind of data by flash memory writer.		
IC526	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC527	8-759-592-49	s	IC TC7SZ125FU(TE85R)
IC600	8-759-533-85	s	IC L88M05T-FA-TL
IC601	8-759-681-47	s	IC IRMF-A0T-QTP
IC602	8-759-066-55	s	IC TA75W393FU
IC603	8-759-714-09	s	IC ADXL202JE-REEL
IC604	8-759-643-48	s	IC BA00ASFP-E2
IC605	8-759-643-48	s	IC BA00ASFP-E2
IC606	8-759-643-48	s	IC BA00ASFP-E2
IC607	8-759-643-48	s	IC BA00ASFP-E2
IC610	8-759-643-48	s	IC BA00ASFP-E2
IC612	8-759-066-55	s	IC TA75W393FU
IC701	8-759-831-52	s	IC TC7WH125FK(TE85R)
IC703	8-759-447-77	s	IC TC7WH74FU (TE12R)
IC704	8-759-548-99	s	IC SN74LV08APWR
IC705	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC706	----------		IC M24C64-WMN6T(A)
Note	If this IC has failed, replace the whole C board.		
IC708	8-759-542-46	s	IC M62392FP
IC709	8-759-679-58	s	IC SN74AHCT541PWR
IC710	8-759-679-58	s	IC SN74AHCT541PWR
IC711	6-700-915-01	s	IC SN74AHCT04PWR
IC712	8-759-679-58	s	IC SN74AHCT541PWR
IC713	8-759-490-43	s	IC TC74VHCT540AFT(EL)
IC751	8-752-103-51	s	IC CXA7000R-T6
IC753	8-759-252-41	s	IC TK11900MTL
IC770	8-759-388-31	s	IC PQ20VZ1U
IC801	8-752-103-51	s	IC CXA7000R-T6
IC851	8-752-103-51	s	IC CXA7000R-T6
L701	1-469-523-91	s	INDUCTOR 2.2UH (NLFV25)
L751	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L752	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L753	1-414-078-11	s	INDUCTOR 10UH
L801	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L802	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L803	1-414-078-11	s	INDUCTOR 10UH
L851	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L852	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L853	1-414-078-11	s	INDUCTOR 10UH
Q522	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q530	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q531	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q532	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q533	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q534	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q600	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q601	8-729-028-91	s	TRANSISTOR DTA144EUA-T106

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Ref. No. or Q'ty	Part No.	SP	Description
Q602	8-729-427-72	s	TRANSISTOR XP4501-TXE
Q603	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q604	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q605	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q606	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q607	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q608	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q610	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q611	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q612	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q613	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q614	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q701	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q702	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q703	8-729-907-00	s	TRANSISTOR DTC114EU
Q751	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q752	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q801	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q802	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q851	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q852	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
R101	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R102	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R103	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R104	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R105	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R107	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R520	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R521	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R522	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R523	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R525	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R526	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R527	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R528	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R529	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R530	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R533	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R534	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R535	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R536	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R537	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R538	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R539	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R540	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R543	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R544	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R545	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R546	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R547	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R548	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R549	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R550	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R551	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R552	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R553	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R555	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R557	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R558	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R559	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R560	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R561	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R562	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R563	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R564	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R566	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R567	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R568	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R569	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R570	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R571	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R572	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R573	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R574	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R575	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R576	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R577	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R578	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R581	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R582	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R584	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R585	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R586	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R587	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R588	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R589	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R590	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R591	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R600	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R601	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R602	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R603	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R604	1-218-962-11	s	RESISTOR,CHIP 5.6K 1/16W(1005)
R605	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R606	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R608	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R609	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R611	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R612	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R613	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R614	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R615	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R616	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R617	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R618	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R619	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R620	1-218-917-11	s	RESISTOR,CHIP 820K 1/10W(1608)
R621	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R622	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R623	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R624	1-218-959-11	s	RESISTOR, CHIP 3.3K
R625	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R626	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R627	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R628	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R630	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R631	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R632	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R633	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R635	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R637	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R639	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R640	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R641	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R642	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R643	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R644	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R645	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R646	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R647	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R648	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R649	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R650	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R651	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R652	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R653	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R654	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R655	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R656	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R657	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R658	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R659	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R660	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R661	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R662	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R663	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R664	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R665	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R666	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R667	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R668	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R669	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R670	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R671	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R672	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R674	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R675	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R680	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R681	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R683	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R684	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R685	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R686	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R687	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R688	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R689	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R690	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R691	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R692	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R693	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R694	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R695	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R696	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R697	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R698	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R699	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R701	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R702	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R703	1-218-937-11	s	RESISTOR, CHIP 47
R704	1-218-937-11	s	RESISTOR, CHIP 47
R705	1-218-937-11	s	RESISTOR, CHIP 47
R706	1-218-937-11	s	RESISTOR, CHIP 47
R707	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R708	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R709	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R710	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R711	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R712	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R713	1-218-937-11	s	RESISTOR, CHIP 47
R714	1-218-937-11	s	RESISTOR, CHIP 47
R715	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R717	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R718	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R719	1-218-937-11	s	RESISTOR, CHIP 47
R720	1-218-937-11	s	RESISTOR, CHIP 47
R721	1-218-937-11	s	RESISTOR, CHIP 47
R722	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R723	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R724	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R725	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R726	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R727	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R728	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R729	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R731	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R732	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R738	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R739	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R751	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R752	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R753	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R754	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R755	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R756	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R757	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R758	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R761	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R767	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R771	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R772	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R773	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R774	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R778	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R780	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R781	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R801	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R802	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R803	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R804	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R805	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R806	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R811	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R817	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R821	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R822	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R851	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R852	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R853	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R854	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R855	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R856	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R861	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R867	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R871	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R872	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
RB521	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB522	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB523	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB524	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB525	1-234-375-21	s	RES, NETWORK 1KX4 (1005)
RB526	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB527	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB528	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB529	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB530	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB531	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB532	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB533	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB534	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB535	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB536	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB537	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB538	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB539	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB540	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB547	1-234-377-21	s	RES, NETWORK 4.7KX4 (1005)
RB548	1-234-377-21	s	RES, NETWORK 4.7KX4 (1005)
RB701	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB702	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB703	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB704	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB705	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB706	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB707	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB708	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB709	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB710	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB711	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB712	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB713	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB714	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB715	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB716	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB717	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB718	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB751	1-234-523-21	s	RESISTOR,CHIP NETWORK
RB801	1-234-523-21	s	RESISTOR,CHIP NETWORK
RB851	1-234-523-21	s	RESISTOR,CHIP NETWORK
S701	1-771-337-21	s	SWITCH, SLIDE
TH521	1-803-382-11	s	THERMISTOR (1005)
TP521	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP522	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
TP701	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP702	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP703	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP704	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP705	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP706	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP707	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP708	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP709	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP710	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP711	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP712	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP713	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP751	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP752	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP753	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP754	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP770	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP801	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP802	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP851	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP852	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X521	1-795-650-21	s	VIBRATOR, CRYSTAL

F BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-966-A	s	MOUNTED CIRCUIT BOARD, F
1pc	7-682-648-09	s	SCREW +PS 3X8
C501	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C502	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C503	⚠ 1-165-530-11	s	CAPACITOR,FILM(ACROSS)0.47MF
C504	⚠ 1-165-530-11	s	CAPACITOR,FILM(ACROSS)0.47MF
CN501	⚠ 1-815-470-11	s	INLET, AC
CN502	⚠ 1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
CN503	⚠ 1-764-101-11	s	PIN, CONNECTOR (PC BOARD) 2P
D500	⚠ 8-719-022-14	s	DIODE UZM13B
D501	⚠ 8-719-055-30	s	DIODE D1FS4A-TA
D502	⚠ 8-719-066-75	s	DIODE D6SB80
F501	⚠ 1-576-233-11	s	FUSE (H.B.C.) 6.3A/250V
FH501	1-533-223-11	s	CLIP,FUSE
FH502	1-533-223-11	s	CLIP,FUSE
L501	⚠ 1-456-134-11	s	COIL, LINE FILTER
Q500	⚠ 8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
R501	⚠ 1-202-847-00	s	RESISTOR,SOLID 560K 1/2W
R502	⚠ 1-219-363-11	s	RESISTOR, CEMENT 5.6/5W (FUSE)
R503	⚠ 1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R504	⚠ 1-220-272-91	s	RESISTOR,SQUARE TYPE 820(4532)
R505	⚠ 1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R506	⚠ 1-220-272-91	s	RESISTOR,SQUARE TYPE 820(4532)
RY500	⚠ 1-755-395-11	s	RELAY (AC POWER)
VD501	⚠ 1-801-268-11	s	VARISTOR (TNR14V471K660)

G BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-817-A	s	MOUNTED CIRCUIT BOARD, G
1pc	7-682-949-09	s	SCREW +PSW 3X10
C602	1-137-477-11	s	CAPCITOR,FILM 0.47MF/400V
C603	1-117-228-11	s	CAPACITOR,FILM 2.2MF/450V
C604	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C605	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C606	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C607	1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C608	1-125-898-11	s	CAPACITOR, CERAMIC 0.22MF 50V
C609	⚠ 1-117-751-11	s	CAPACITOR, ELECT 220MF/450V
C700	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C701	1-136-479-11	s	CAPACITOR FILM 0.001MF/100V PP
C702	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C703	1-126-967-11	s	CAPACITOR,ELECT 47MF/50V
C704	1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C705	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C706	1-126-967-11	s	CAPACITOR,ELECT 47MF/50V
C707	1-130-495-00	s	CAPACITOR FILM 0.1MF/50V PETP
C708	1-135-834-11	s	CAPACITOR, CERAMIC 2200000PF
C709	1-137-754-81	s	CAPACITOR,PP FILM 6800PF
C711	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C712	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C713	1-115-789-11	s	CAPACITOR ELECT 1000MF/25V 105
C714	1-128-946-11	s	CAP, ELECT 2200MF / 10V
C715	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C716	1-115-789-11	s	CAPACITOR ELECT 1000MF/25V 105
C717	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C718	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C719	1-127-820-11	s	CAPACITOR, SQUARE CHIP 4.7MF
C720	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C724	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C729	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C732	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C734	1-107-911-11	s	CAPACITOR,ELECT 220MF/50V
C744	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C745	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C746	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C747	1-131-999-11	s	CAPACITOR,SOLID ELECT 150MF
C748	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C749	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C750	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN601	⚠ 1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN602	⚠ 1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
CN709	1-779-268-21	o	PIN, CONNECTOR (11P)(SMD)(1.5M
CN710	1-573-290-21	s	PIN,CONNECTOR (4P)(SMD)(1.5MM)
D603	8-719-055-30	s	DIODE D1FS4A-TA
D604	8-719-304-63	s	DIODE RM11C (RECTI)
D701	8-719-107-13	s	DIODE RD18M-B1
D703	8-719-073-01	s	DIODE MA111-(K8).S0
D705	8-719-979-64	s	DIODE UF4005PKG23
D706	8-719-118-12	s	DIODE RD33M-B
D707	8-719-073-52	s	DIODE D2FS6-TA
D708	8-719-510-09	s	DIODE D10SC6M (RECTI)
D709	8-719-073-01	s	DIODE MA111-(K8).S0
D710	8-719-073-01	s	DIODE MA111-(K8).S0
D712	8-719-510-12	s	DIODE D10SC4M
D713	8-719-106-23	s	DIODE RD7.5M-B2
D714	8-719-106-23	s	DIODE RD7.5M-B2

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D715	8-719-510-09	s	DIODE D10SC6M (RECTI)
D716	8-719-073-01	s	DIODE MA111-(K8).S0
D719	8-719-073-01	s	DIODE MA111-(K8).S0
D720	8-719-073-01	s	DIODE MA111-(K8).S0
D721	8-719-073-01	s	DIODE MA111-(K8).S0
D722	8-719-073-01	s	DIODE MA111-(K8).S0
D724	8-719-073-01	s	DIODE MA111-(K8).S0
D730	8-719-078-04	s	DIODE EC31QS03L-TE12L
FB701	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
IC600	8-749-015-27	s	IC MZ1540
IC700	8-759-670-30	s	IC MCZ3001D
IC701	8-759-388-23	s	IC TL431BCDR2
IC724	8-759-533-85	s	IC L88M05T-FA-TL
IC725	8-759-066-55	s	IC TA75W393FU
IC730	8-759-485-63	s	IC MAX1626ESA-TE2
L601	1-419-763-11	s	COIL, CHOKE 220UH
L602 ⚠	1-456-133-11	s	COIL, CHOKE
L703	1-416-949-21	s	COIL, CHOKE (SMD)
L704	1-416-948-21	s	COIL, CHOKE (SMD)
PH700 ⚠	8-749-016-82	s	PHOTO COUPLER PC123GY2
PH701 ⚠	8-749-016-82	s	PHOTO COUPLER PC123GY2
PH702 ⚠	8-749-016-82	s	PHOTO COUPLER PC123GY2
Q700 ⚠	8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q702	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q703	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q704	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q705	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q707	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q709	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q711	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q712 ⚠	8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q713	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q717	8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
Q718	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q720	8-729-230-49	s	TRANSISTOR 2SC2712-YG
R606	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R607	1-245-415-11	s	RESISTOR, METAL PLATE
R700	1-249-389-11	s	RES,CARBON 4.7 1/4W
R701	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R703	1-218-873-11	s	RESISTOR,CHIP 12K 1/10W (1608)
R704	1-218-843-11	s	RESISTOR,CHIP 680 1/10W (1608)
R705	1-216-836-11	s	RESISTOR, CHIP 18K 1/10W 1608
R706	1-218-877-11	s	RESISTOR,CHIP 18K 1/10W (1608)
R707	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R708	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R709	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R710	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R711	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R712	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R713	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R714	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R715	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R717	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R718	1-202-933-61	s	RESISTOR, FUSE 0.1 1/2W
R719	1-220-993-91	s	RESISTOR,CHIP 0.68 5025
R722	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R723	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R725	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R726	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R728	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R729	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R730	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R731	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R732	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R733	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R734	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R735	1-218-857-11	s	RESISTOR,CHIP 2.7K 1/10W(1608)
R736	1-218-861-11	s	RESISTOR,CHIP 3.9K 1/10W(1608)
R737	1-218-887-11	s	RESISTOR,CHIP 47K 1/10W (1608)
R738	1-218-855-11	s	RESISTOR,CHIP 2.2K 1/10W(1608)
R739	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R740	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R741	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R742	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R743	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R744	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R745	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R746	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R747	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R748	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R749	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R750	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R751	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R752	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R753	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R754	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R758	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R759	1-220-993-91	s	RESISTOR,CHIP 0.68 5025
R760	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R761	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R770	1-249-389-11	s	RES,CARBON 4.7 1/4W
R771	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R772	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R774	1-240-182-11	s	RESISTOR,SQURE TYPE 47M
R775	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R776	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R777	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R780	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
T700 ⚠	1-437-301-11	s	TRANSFORMER, CONVERTER (PIT)

HA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-683-A	s	MOUNTED CIRCUIT BOARD, HA
C61	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN61	1-770-622-21	s	PIN, CONNECTOR 5P
D61	8-719-914-44	s	DIODE DAP202K (DUAL)
D62	8-719-914-43	s	DIODE DAN202K
D63	8-719-914-44	s	DIODE DAP202K (DUAL)
D64	8-719-914-43	s	DIODE DAN202K
R61	1-218-970-11	s	RESISTOR CHIP 27K 1/16W (1005)
R62	1-218-966-11	s	RESISTOR, CHIP 12K
R63	1-218-963-11	s	RESISTOR,CHIP 6.8K 1/16W
R65	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R67	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R68	1-218-966-11	s	RESISTOR, CHIP 12K
R70	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R71	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R72	1-218-955-11	s	RESISTOR, CHIP 1.5K
R75	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1608)
R76	1-218-956-11	s	RESISTOR, CHIP 1.8K
S61	1-786-409-11	s	SWITCH, TACTILE
S64	1-771-105-11	s	SWITCH, TACTILE
S65	1-771-105-11	s	SWITCH, TACTILE
S67	1-771-105-11	s	SWITCH, TACTILE
S68	1-771-105-11	s	SWITCH, TACTILE
S70	1-771-105-11	s	SWITCH, TACTILE

HB BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-684-A	s	MOUNTED CIRCUIT BOARD, HB
C081	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN81	1-770-629-21	s	PIN, CONNECTOR 12P
CN82	1-770-622-21	s	PIN, CONNECTOR 5P
CN83	1-770-619-11	o	PIN, CONNECTOR 2P
D81	8-719-045-61	s	DIODE SEC1901C
D82	8-719-045-61	s	DIODE SEC1901C
D83	8-719-045-51	s	DIODE SEC2422C
D84	8-719-045-53	s	DIODE SEC1801C
D85	8-719-914-44	s	DIODE DAP202K (DUAL)
D86	8-719-914-43	s	DIODE DAN202K
D87	8-719-914-44	s	DIODE DAP202K (DUAL)
D88	8-719-914-43	s	DIODE DAN202K
D89	8-719-914-44	s	DIODE DAP202K (DUAL)
D90	8-719-914-43	s	DIODE DAN202K
Q81	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q82	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q83	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q84	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q85	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R81	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R82	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R83	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R84	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R85	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
S81	⚠ 1-762-984-11	s	SWITCH, PUSH

L BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-685-A	s	MOUNTED CIRCUIT BOARD, L
C82	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN84	1-784-650-21	s	CONNECTOR 2P
D91	6-500-318-01	s	DIODE NSCW100
R86	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

NF BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-687-A	s	MOUNTED CIRCUIT BOARD, NF
C11	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
CN011	1-785-946-11	s	CONNECTOR 3P
IC11	8-719-066-43	s	DIODE GP1U28Y
R11	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R12	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608

NR BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-688-A	s	MOUNTED CIRCUIT BOARD, NR
C21	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C22	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN021	1-779-884-11	s	PLUG, CONNECTOR 4P
IC21	8-749-012-17	s	IC RS-140-T
R21	1-218-937-11	s	RESISTOR, CHIP 47
R22	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
TH21	1-803-382-11	s	THERMISTOR (1005)

QA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-814-A	s	MOUNTED CIRCUIT BOARD, QA
C101	1-164-217-11	s	CAPACITOR,CERAMIC 150PF/50V CH
C102	1-164-217-11	s	CAPACITOR,CERAMIC 150PF/50V CH
C103	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C104	1-128-010-11	s	CAPACITOR,ERECT 0.22MF/50V
C105	1-128-010-11	s	CAPACITOR,ERECT 0.22MF/50V
C106	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C107	1-164-217-11	s	CAPACITOR,CERAMIC 150PF/50V CH
C108	1-164-217-11	s	CAPACITOR,CERAMIC 150PF/50V CH
C109	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C110	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C201	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C202	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C203	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C204	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C205	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C206	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C207	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C208	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C209	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C210	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C212	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C213	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C214	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C216	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C217	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C218	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C220	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C221	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C224	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C225	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C226	1-110-563-11	s	CAPACITOR CERAMIC 0.068MF/16V
C227	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C228	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C229	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C231	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C232	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C233	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C234	1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C236	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C237	1-126-395-11	s	CAPACITOR,ELECT 22MF/16V(CHIP)
C240	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C301	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C303	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C304	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C305	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C306	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C308	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C309	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C311	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C312	1-126-395-11	s	CAPACITOR,ELECT 22MF/16V(CHIP)
C313	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C314	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C315	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C316	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C317	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C318	1-126-395-11	s	CAPACITOR,ELECT 22MF/16V(CHIP)
C319	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C320	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C321	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C322	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C323	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C325	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C326	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C327	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C328	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C329	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C330	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C331	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C332	1-127-861-11	s	CAP, CERAMIC 2.2MF B (3216)
C333	1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C334	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C335	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C336	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C337	1-135-342-11	s	CAPACITOR, SOLID ELECT 56MF
C339	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C340	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C341	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C342	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C423	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C425	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C430	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C435	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C437	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C438	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C439	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C440	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C451	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN101	1-815-914-11	s	CONNECTOR, SQUARE TYPE (32P)
CN104	1-793-798-21	o	CONNECTOR, BOARD TO BOARD
CN105	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN301	1-695-320-21	o	PIN, CONNECTOR(1.5MM)SMD 2P
CN302	1-785-946-11	s	CONNECTOR 3P
D101	8-719-073-11	s	DIODE BZA456A
D102	8-719-073-11	s	DIODE BZA456A
D103	8-719-036-94	s	DIODE RD5.6SB-T1
D104	8-719-036-94	s	DIODE RD5.6SB-T1
D105	8-719-036-80	s	DIODE RD3.9SB
D106	8-719-036-80	s	DIODE RD3.9SB
D107	8-719-073-01	s	DIODE MA111-(K8).S0
D108	8-719-073-01	s	DIODE MA111-(K8).S0
D109	8-719-036-80	s	DIODE RD3.9SB
D110	8-719-036-80	s	DIODE RD3.9SB
D201	8-719-024-77	s	DIODE HN1D03FU-TE85L
D202	8-719-988-61	s	DIODE 1SS355TE-17
D203	8-719-988-61	s	DIODE 1SS355TE-17
D301	8-719-158-37	s	DIODE RD9.1SB2
D302	8-719-036-94	s	DIODE RD5.6SB-T1
D304	8-719-158-37	s	DIODE RD9.1SB2
D305	8-719-158-37	s	DIODE RD9.1SB2
D308	8-719-158-37	s	DIODE RD9.1SB2
FB101	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB301	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB304	1-400-150-11	s	FERRITE, EMI (SMD)
FB305	1-400-150-11	s	FERRITE, EMI (SMD)

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC102	----------		IC ST24FC21M6TR
Note If this IC has failed, replace the whole QA board.			
IC103	8-759-677-33	s	IC MM1228XF
IC105	8-759-596-39	s	IC SN74LV4052APWR
IC201	8-759-533-85	s	IC L88M05T-FA-TL
IC202	8-759-596-34	s	IC SN74LV4053APWR
IC203	8-759-646-02	s	IC M52347FP-TE
IC301	8-759-352-94	s	IC TDA7309D013TR
IC302	6-700-792-01	s	IC NJM78M09DL1A(TE1)
IC303	6-703-352-01	s	IC TPA2000D1PW
IC304	8-759-533-85	s	IC L88M05T-FA-TL
IC305	8-759-387-26	s	IC BU4052BCFV-E2
IC306	8-759-387-26	s	IC BU4052BCFV-E2
J101	1-770-053-12	s	TERMINAL BLOCK, S(LIGHT ANGLE)
L101	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L201	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L302	1-409-529-41	s	COIL, CHOKE 10UH
Q101	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q102	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q103	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q104	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q201	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q202	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q203	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q204	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q205	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q206	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q207	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q208	8-729-013-26	s	TRANSISTOR HN1C03FU-TE85R
Q209	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q210	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q212	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q213	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q303	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q304	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q305	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q306	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q307	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q308	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q309	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q401	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q402	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q403	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q408	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q409	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q410	8-729-427-70	s	TRANSISTOR XP4401
Q411	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q413	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q421	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
R101	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R102	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R103	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R104	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R105	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R106	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R107	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R108	1-216-864-11	s	CONDUCTOR, CHIP (1608)

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R109	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R110	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R111	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R112	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R113	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R114	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R115	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R116	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R117	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R118	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R119	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R120	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R121	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R122	1-211-990-11	s	RESISTOR,CHIP 75 1/10W (1608)
R123	1-211-990-11	s	RESISTOR,CHIP 75 1/10W (1608)
R124	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R125	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R126	1-211-990-11	s	RESISTOR,CHIP 75 1/10W (1608)
R128	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R129	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R130	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R131	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R132	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R133	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R134	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R135	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R136	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R137	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R138	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R201	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R202	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R203	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R204	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R205	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R206	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R207	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R208	1-216-849-11	s	RESISTOR,CHIP 220K 1/16W 1608
R209	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R210	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R211	1-218-865-11	s	RESISTOR,CHIP 5.6K 1/10W(1608)
R212	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R213	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R214	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R215	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R216	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R217	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R218	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R219	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R220	1-218-883-11	s	RESISTOR,CHIP 33K 1/10W (1608)
R221	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R222	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R223	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R224	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R225	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R226	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R227	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R228	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R229	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R230	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R231	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R232	1-218-845-11	s	RESISTOR,CHIP 820 1/10W (1608)
R234	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R235	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R236	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R237	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R238	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R239	1-218-857-11	s	RESISTOR,CHIP 2.7K 1/10W(1608)
R240	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R242	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R243	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R244	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R245	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R246	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R249	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R264	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R268	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R272	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R273	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R275	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R277	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R278	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R279	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R281	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R282	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R283	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R284	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R285	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R303	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R306	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R309	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R312	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R313	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R316	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R317	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R318	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R319	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R320	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R321	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R322	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R323	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R324	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R325	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R326	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R328	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R331	1-218-897-11	s	RESISTOR,CHIP 120K 1/10W(1608)
R333	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R334	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R335	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R344	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R345	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R346	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R347	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R348	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R349	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R350	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R351	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R352	1-216-838-11	s	RESISTOR CHIP 27K 1/10W(1608)
R353	1-216-838-11	s	RESISTOR CHIP 27K 1/10W(1608)

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R354	1-216-838-11	s	RESISTOR CHIP 27K 1/10W(1608)
R355	1-216-838-11	s	RESISTOR CHIP 27K 1/10W(1608)
R356	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R357	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R358	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R359	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R360	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R361	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R362	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R363	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R364	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R365	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R401	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R402	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R403	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R404	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R405	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R406	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R425	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R426	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R427	1-216-849-11	s	RESISTOR,CHIP 220K 1/16W 1608
R428	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R429	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R430	1-218-871-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R431	1-218-871-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R434	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R435	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R436	1-218-835-11	s	RESISTOR,CHIP 330 1/10W (1608)
R437	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R438	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R443	1-218-865-11	s	RESISTOR,CHIP 5.6K 1/10W(1608)
R444	1-218-855-11	s	RESISTOR,CHIP 2.2K 1/10W(1608)
R445	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R452	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R453	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R454	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R455	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R456	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R461	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R462	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R478	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R479	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R480	1-218-879-11	s	RESISTOR,CHIP 22K 1/10W (1608)
R481	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R482	1-218-879-11	s	RESISTOR,CHIP 22K 1/10W (1608)
RB101	1-234-372-21	s	RES, NETWORK 100X4 (1005)
TP101	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP102	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP302	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

U BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-691-A	s	MOUNTED CIRCUIT BOARD, U
CN41	1-784-650-21	s	CONNECTOR 2P
S41	⚠ 1-762-984-11	s	SWITCH, PUSH

4-4. Packing Materials & Supplied Accessories

PACKING MATERIALS & SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-477-605-11	s	REMOTE COMMANDER (RM-PJHS2)
1pc	9-885-028-15	s	BATTERY COVER (FOR RM-PJHS2)
1pc	1-824-819-11	s	CORD WITH CONNECTOR(AVMONITOR)
1pc	4-092-536-01	s	OPERATING INSTRUCTIONS (JAPANESE,SIMPLIFIED CHINESE)
1pc	4-092-536-11	s	OPERATING INSTRUCTIONS (ENGLISH,FRENCH,SPANISH)
1pc	4-092-536-21	s	OPERATING INSTRUCTIONS (GERMAN,ITALIAN)
1pc	⚠ ----------		CORD, POWER (See Sec 1-5. Warning on Power Connection)

4-5. SU-HS2

PACKING MATERIALS

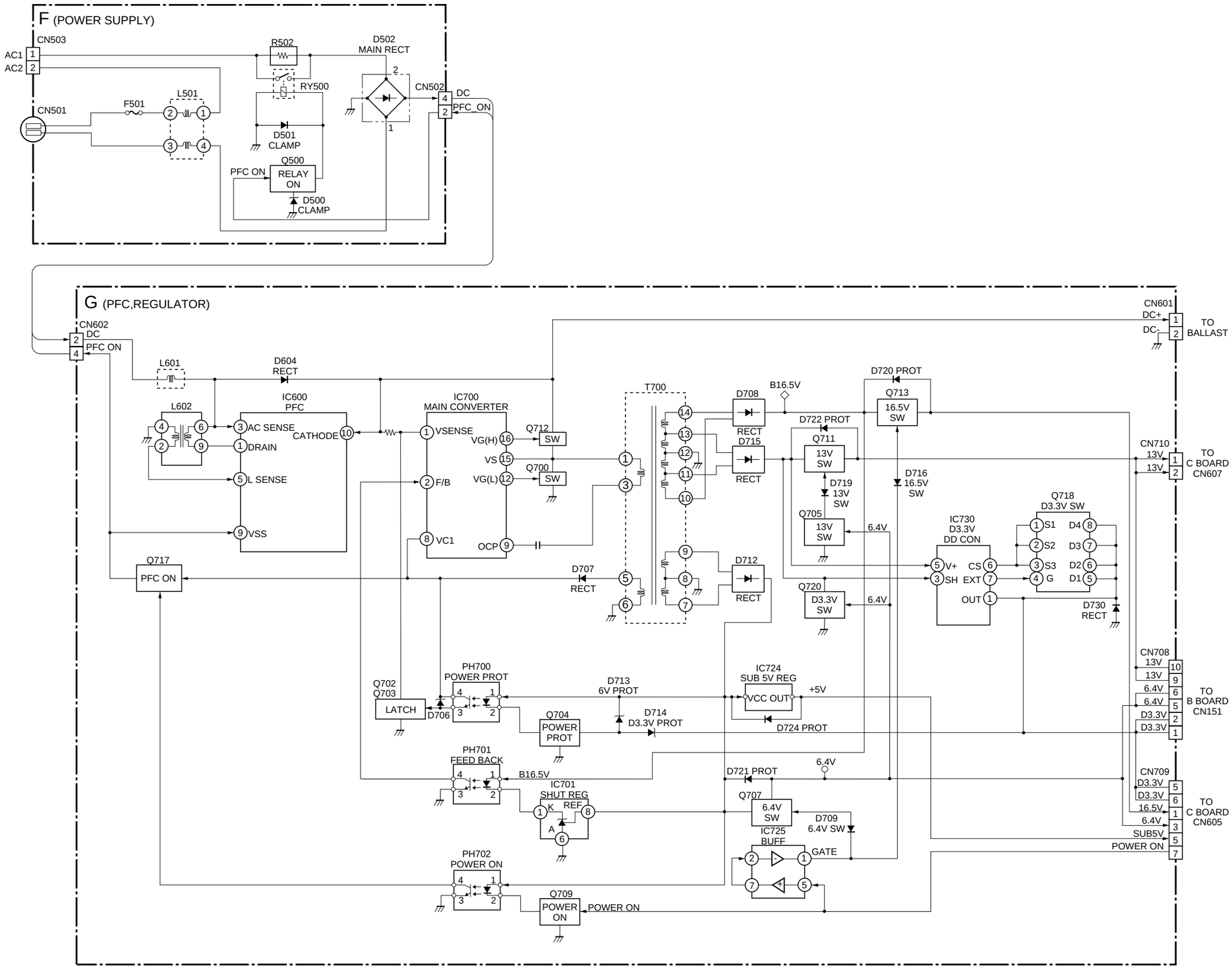
Ref. No. or Q'ty	Part No.	SP	Description
1pc	4-092-616-01	o	OPERATING INSTRUCTIONS (JAPANESE,ENGLISH,FRENCH,SPANISH, GERMAN,ITALIAN,SIMPLIFIED CHINESE)

4-6. VPLL-CW20

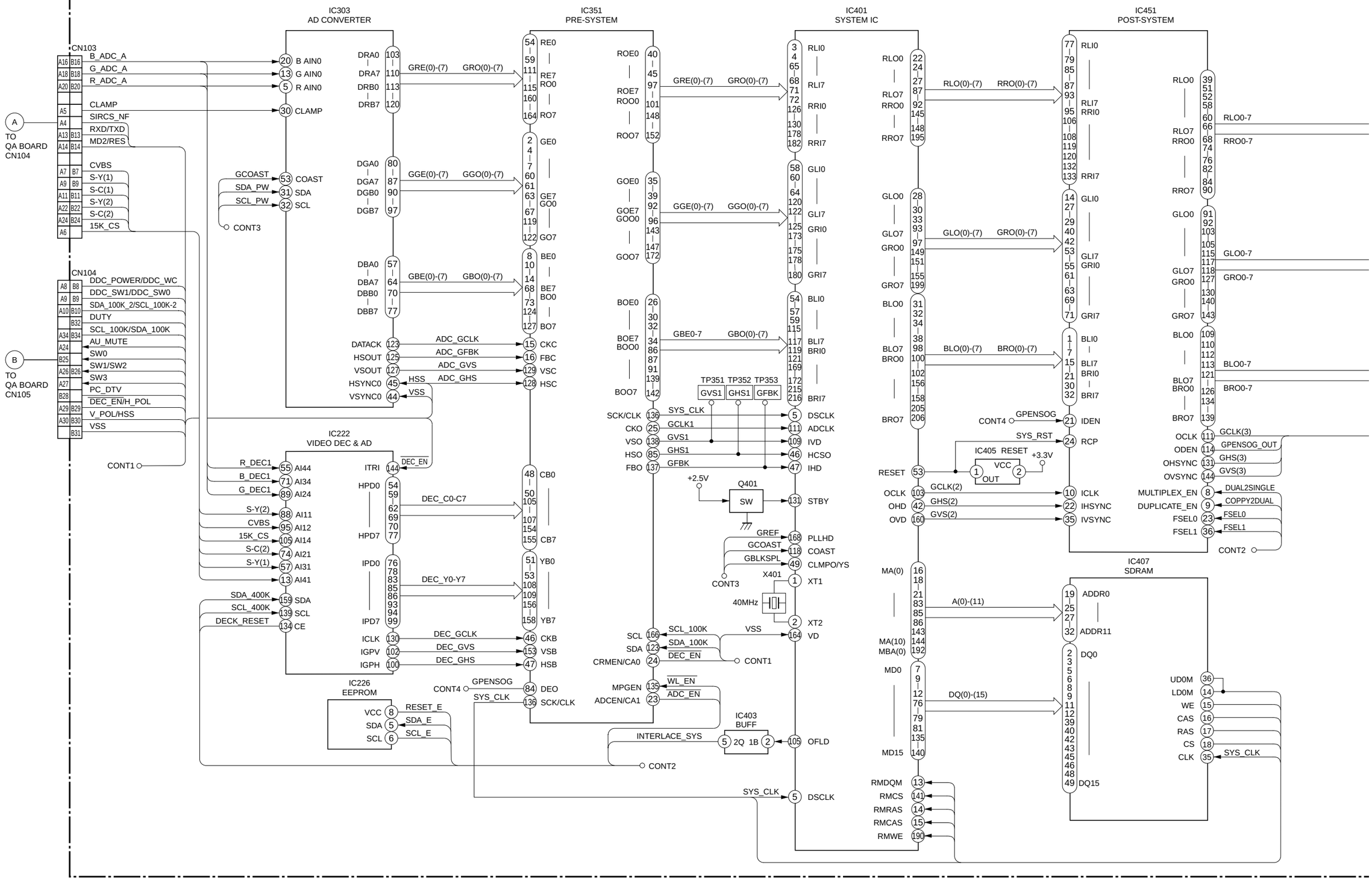
PACKING MATERIALS

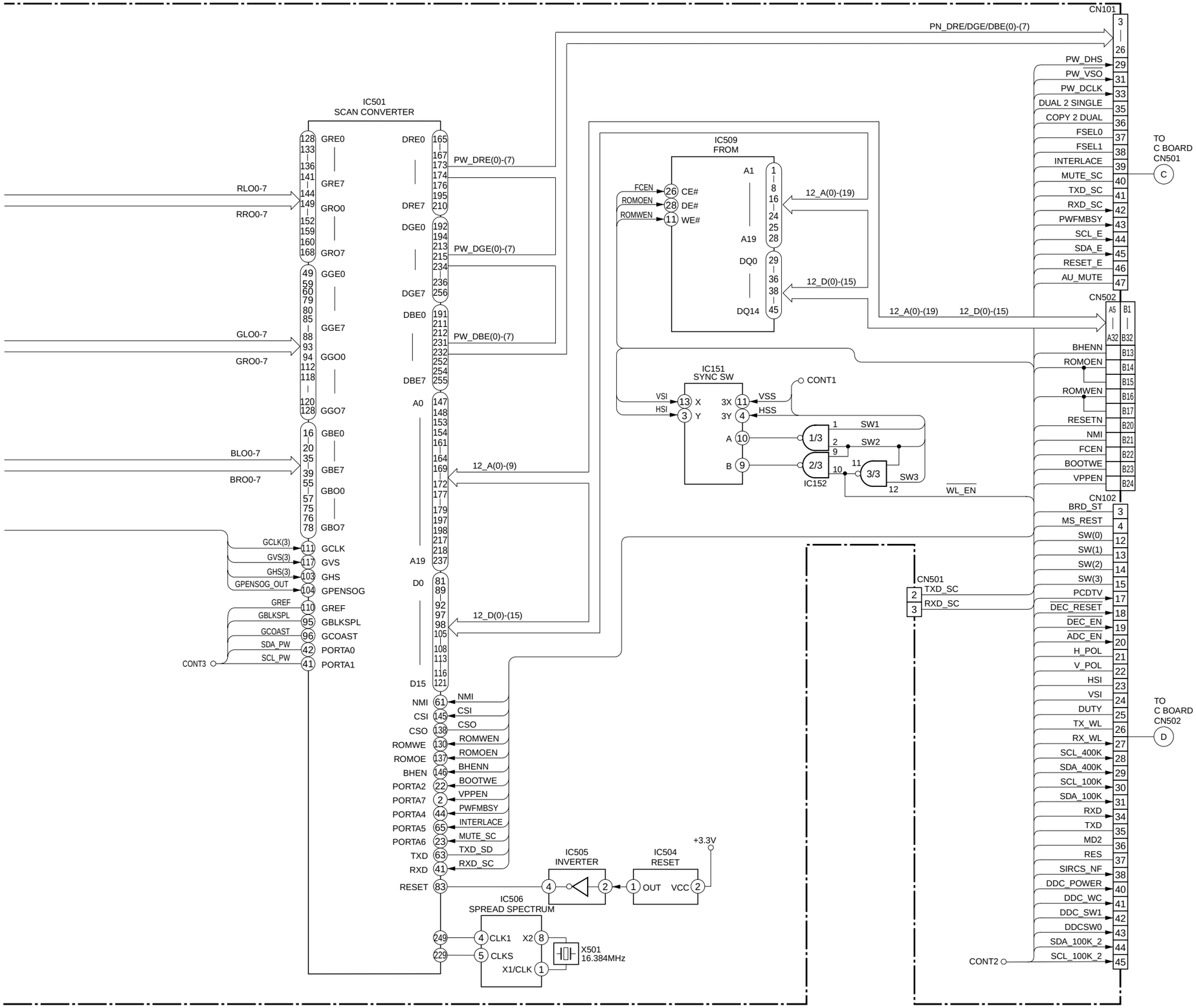
Ref. No. or Q'ty	Part No.	SP	Description
1pcs	4-092-671-01	o	LENS (FRONT), CAP

Section 5
Block Diagrams

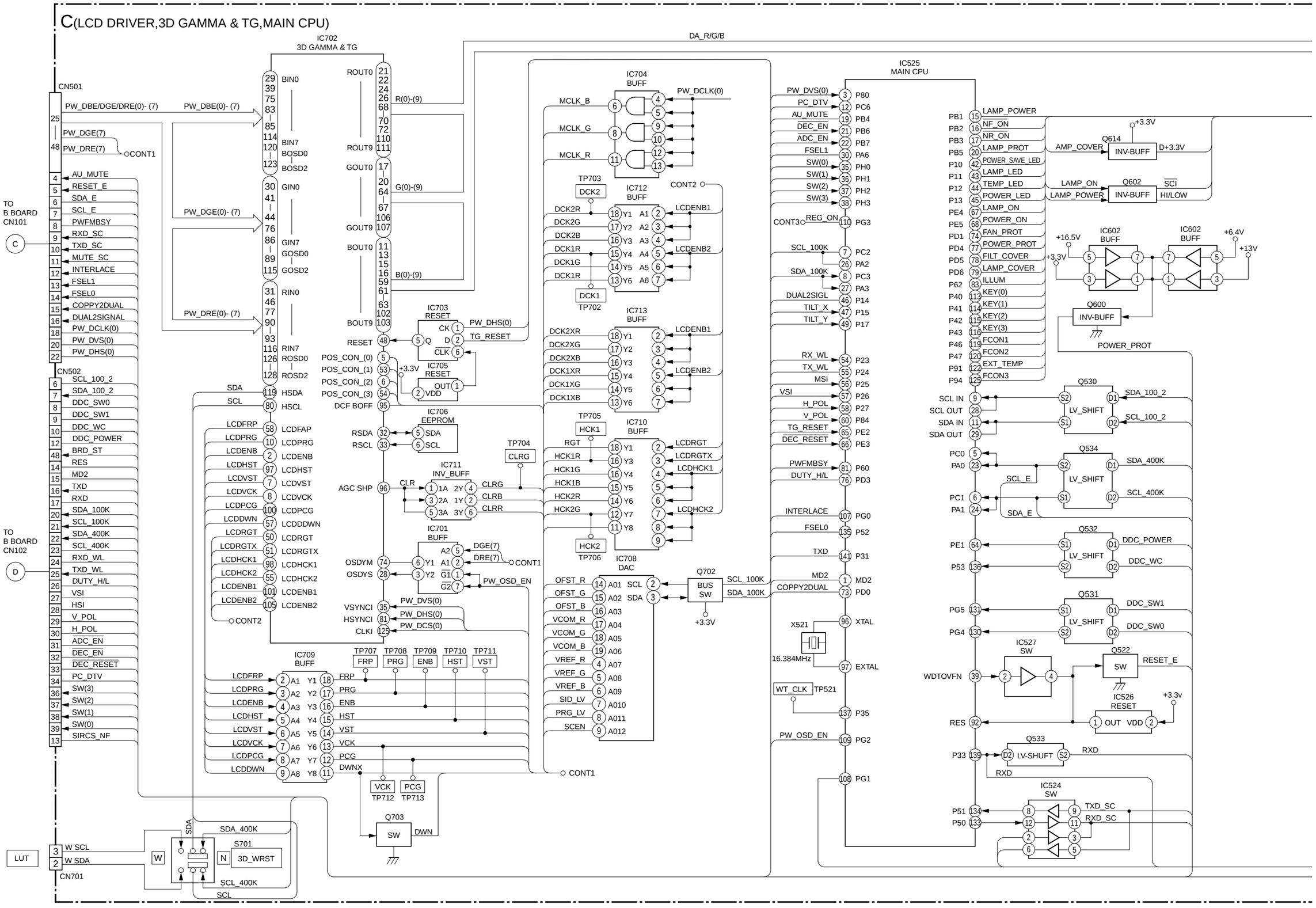


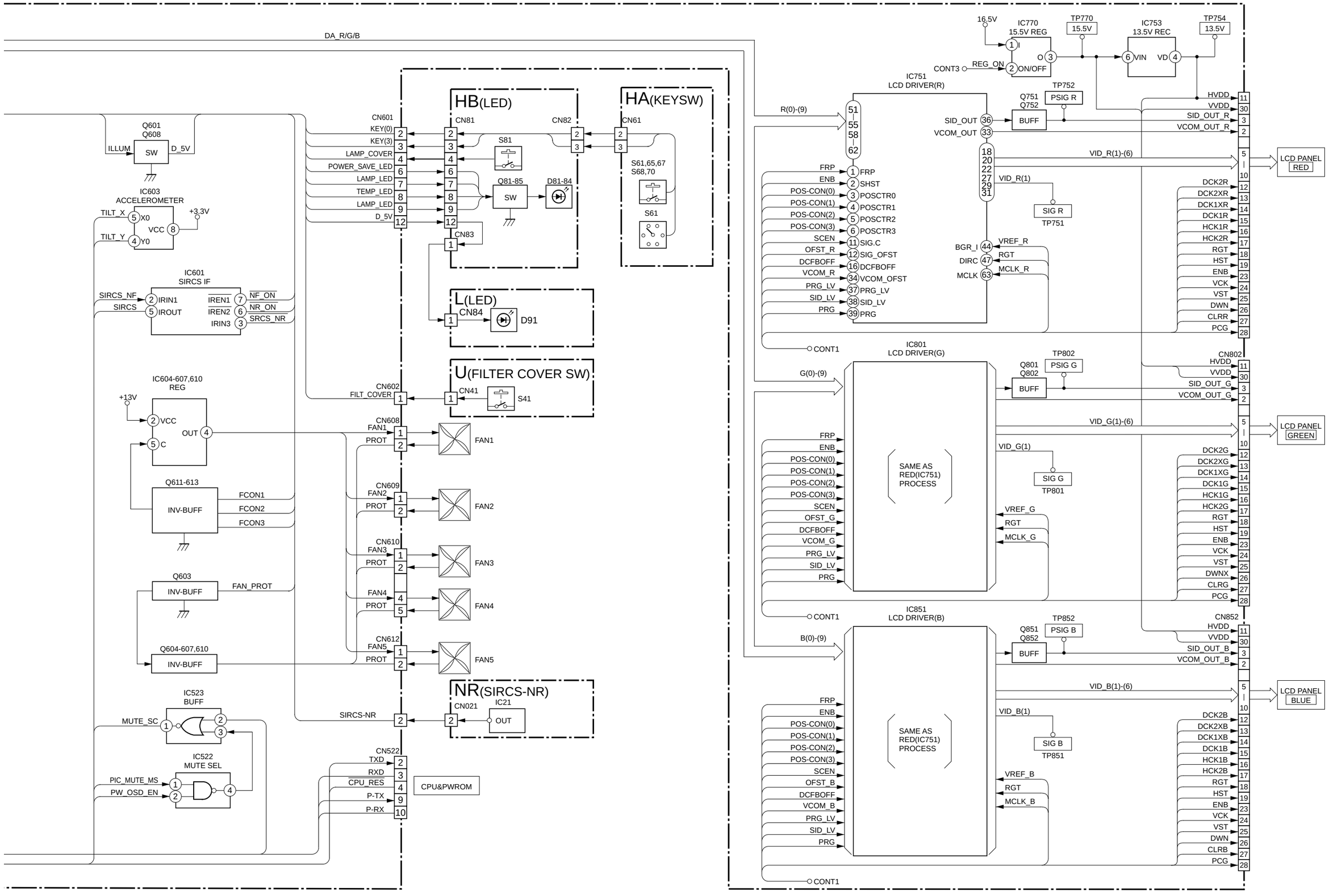
B(AD CONVERTER, PRE-SYSTEM, SCAN CONVERTER, VIDEO DEC & AD)

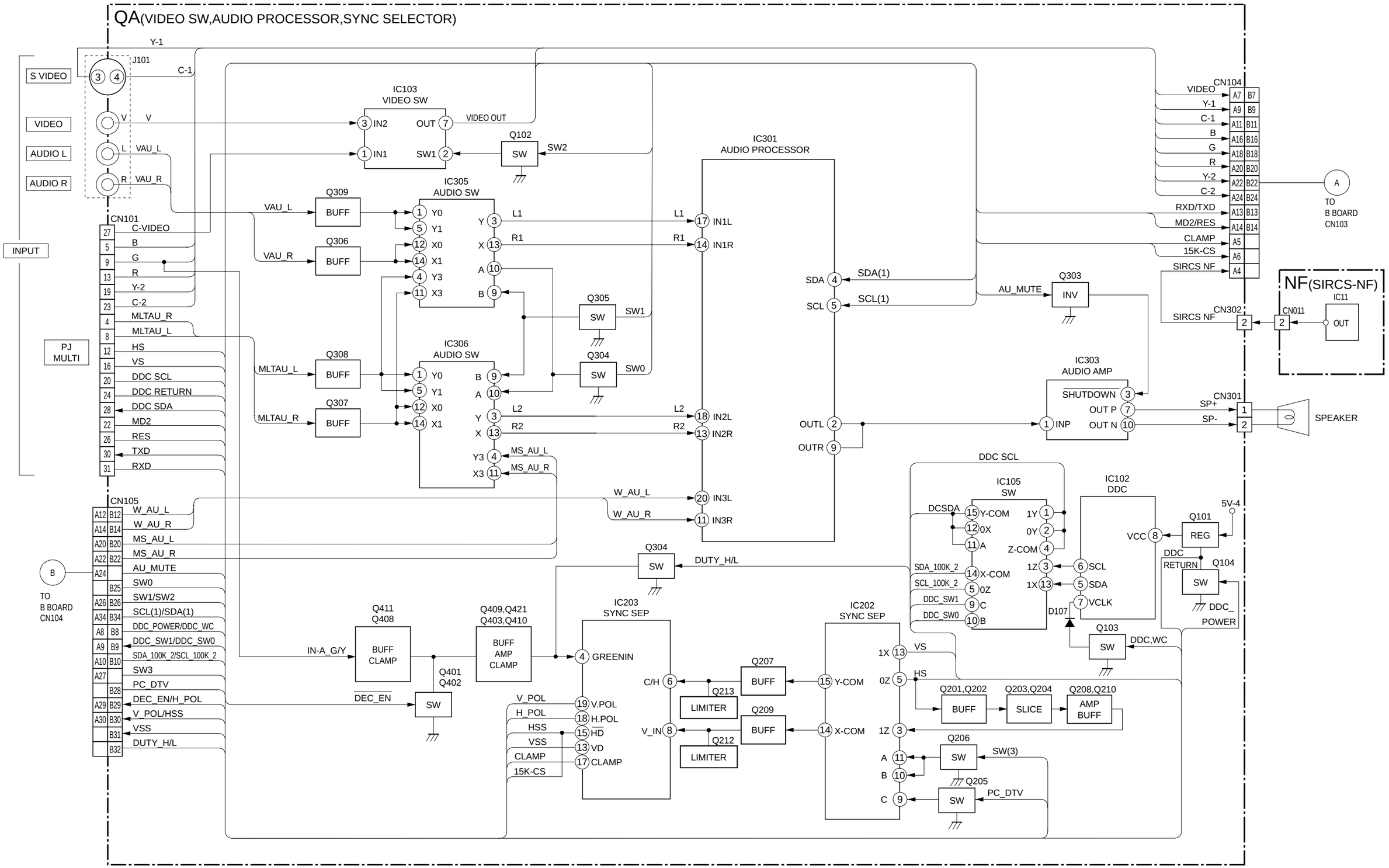



IC501
SCAN CONVERTER
GRE0
GRE7
GRO0
GRO7
GGE0
GGE7
GGO0
GGO7
GBE0
GBE7
GBO0
GBO7
DRE0
DRE7
DGE0
DGE7
DBE0
DBE7
A0
A19
D0
D15
RLO0-7
RRO0-7
GLO0-7
GRO0-7
BLO0-7
BRO0-7
PW_DRE(0)-(7)
PW_DGE(0)-(7)
PW_DBE(0)-(7)
12_A(0)-(9)
12_D(0)-(15)
GCLK(3)
GVS(3)
GHS(3)
GPENSOG_OUT
GREF
GBLKSPL
GCOAST
SDA_PW
SCL_PW
CONT3
GCLK
GVS
GHS
GPENSOG
GREF
GBLKSPL
GCOAST
PORTA0
PORTA1
NMI
CSI
CSO
ROMWE
ROMOE
BHEN
PORTA2
PORTA7
PORTA4
PORTA5
PORTA6
TXD
RXD
RESET
IC509
FROM
FCEN
ROMOEN
ROMWEN
CE#
DE#
WE#
A1
A19
DQ0
DQ14
12_A(0)-(19)
12_D(0)-(15)
IC151
SYNC SW
VSI
HSI
X
Y
3X
3Y
A
B
VSS
HSS
CONT1
SW1
SW2
SW3
1/3
2/3
3/3
IC152
WL_EN
IC506
SPREAD SPECTRUM
CLK1
CLKS
X1/CLK
X2
X501
16.384MHz
IC505
INVERTER
IC504
RESET
OUT
VCC
+3.3V
CN101
PN_DRE/DGE/DBE(0)-(7)
PW_DHS
PW_VSO
PW_DCLK
DUAL 2 SINGLE
COPY 2 DUAL
FSEL0
FSEL1
INTERLACE
MUTE_SC
TXD_SC
RXD_SC
PWFMBSY
SCL_E
SDA_E
RESET_E
AU_MUTE
TO
C BOARD
CN501
C
CN502
BHENN
ROMOEN
ROMWEN
RESETN
NMI
FCEN
BOOTWE
VPPEN
CN102
BRD_ST
MS_REST
SW(0)
SW(1)
SW(2)
SW(3)
PCDTV
DEC_RESET
DEC_EN
ADC_EN
H_POL
V_POL
HSI
VSI
DUTY
TX_WL
RX_WL
SCL_400K
SDA_400K
SCL_100K
SDA_100K
RXD
TXD
MD2
RES
SIRCS_NF
DDC_POWER
DDC_WC
DDC_SW1
DDCSW0
SDA_100K_2
SCL_100K_2
CONT2
CN501
TXD_SC
RXD_SC
TO
C BOARD
CN502
D

C(LCD DRIVER,3D GAMMA & TG,MAIN CPU)

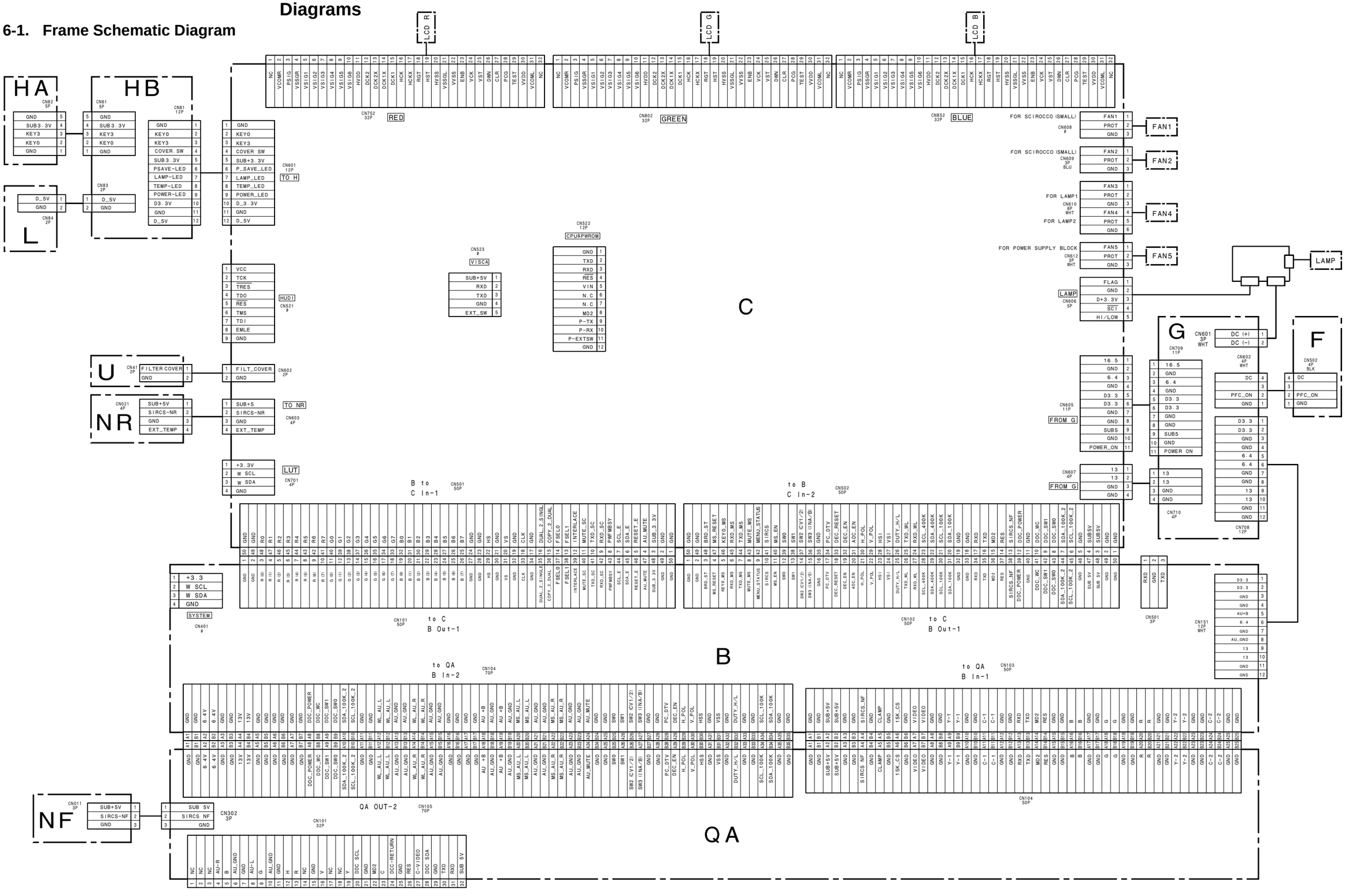



DA_R/G/B
HB(LED)
HA(KEYSW)
L(LED)
U(FILTER COVER SW)
NR(SIRCS-NR)
CN601
CN81
CN82
CN61
CN83
CN84
CN602
CN41
CN608
CN609
CN610
CN612
CN522
CN021
KEY(0)
KEY(3)
LAMP_COVER
POWER_SAVE_LED
LAMP_LED
TEMP_LED
D_5V
FILT_COVER
S81
S61,65,67
S68,70
S61
Q81-85
D81-84
D91
S41
FAN1
FAN2
FAN3
FAN4
FAN5
PROT
SIRCS-NR
TXD
RXD
CPU_RES
P-TX
P-RX
CPU&PWROM
IC21
OUT
Q601
Q608
ILLUM
SW
D_5V
IC603
ACCELEROMETER
TILT_X
TILT_Y
X0
Y0
VCC
+3.3V
IC601
SIRCS IF
SIRCS_NF
SIRCS
IRIN1
IROUT
IREN1
IREN2
IRIN3
NF_ON
NR_ON
SRCS_NR
IC604-607,610
REG
+13V
OUT
C
Q611-613
INV-BUFF
FCON1
FCON2
FCON3
Q603
FAN_PROT
Q604-607,610
IC523
BUFF
MUTE_SC
IC522
MUTE SEL
PIC_MUTE_MS
PW_OSD_EN
16.5V
IC770
15.5V REG
TP770
15.5V
IC753
13.5V REC
TP754
13.5V
REG_ON
CONT3
ON/OFF
VIN
VD
IC751
LCD DRIVER(R)
TP752
PSIG R
Q751
Q752
BUFF
R(0)-(9)
SID_OUT
VCOM_OUT
VID_R(1)-(6)
VID_R(1)
SIG R
TP751
HVDD
VVDD
SID_OUT_R
VCOM_OUT_R
LCD PANEL
RED
DCK2R
DCK2XR
DCK1XR
DCK1R
HCK1R
HCK2R
RGT
HST
ENB
VCK
VST
DWN
CLRR
PCG
FRP
ENB
POS-CON(0)
POS-CON(1)
POS-CON(2)
POS-CON(3)
SCEN
OFST_R
DCFBOFF
VCOM_R
PRG_LV
SID_LV
PRG
SHST
POSCTR0
POSCTR1
POSCTR2
POSCTR3
SIG.C
SIG_OFST
DCFBOFF
VCOM_OFST
PRG_LV
SID_LV
PRG
CONT1
BGR_I
DIRC
MCLK
VREF_R
RGT
MCLK_R
IC801
LCD DRIVER(G)
TP802
PSIG G
Q801
Q802
BUFF
G(0)-(9)
VID_G(1)-(6)
VID_G(1)
SIG G
TP801
SAME AS
RED(IC751)
PROCESS
VREF_G
RGT
MCLK_G
CN802
HVDD
VVDD
SID_OUT_G
VCOM_OUT_G
LCD PANEL
GREEN
DCK2G
DCK2XG
DCK1XG
DCK1G
HCK1G
HCK2G
RGT
HST
ENB
VCK
VST
DWNX
CLRG
PCG
IC851
LCD DRIVER(B)
TP852
PSIG B
Q851
Q852
BUFF
B(0)-(9)
VID_B(1)-(6)
VID_B(1)
SIG B
TP851
VREF_B
RGT
MCLK_B
CN852
HVDD
VVDD
SID_OUT_B
VCOM_OUT_B
LCD PANEL
BLUE
DCK2B
DCK2XB
DCK1XB
DCK1B
HCK1B
HCK2B
RGT
HST
ENB
VCK
VST
DWN
CLRB
PCG


QA(VIDEO SW,AUDIO PROCESSOR,SYNC SELECTOR)
S VIDEO
VIDEO
AUDIO L
AUDIO R
INPUT
PJ MULTI
J101
C-1
Y-1
V
VAU_L
VAU_R
CN101
C-VIDEO
B
G
R
Y-2
C-2
MLTAU_R
MLTAU_L
HS
VS
DDC SCL
DDC RETURN
DDC SDA
MD2
RES
TXD
RXD
CN105
W_AU_L
W_AU_R
MS_AU_L
MS_AU_R
AU_MUTE
SW0
SW1/SW2
SCL(1)/SDA(1)
DDC_POWER/DDC_WC
DDC_SW1/DDC_SW0
SDA_100K_2/SCL_100K_2
SW3
PC_DTV
DEC_EN/H_POL
V_POL/HSS
VSS
DUTY_H/L
TO B BOARD CN104
IC103 VIDEO SW
IN2
IN1
OUT
SW1
SW2
VIDEO OUT
Q102
SW
IC305 AUDIO SW
IC306 AUDIO SW
Q309
Q306
Q308
Q307
BUFF
Y0
Y1
X0
X1
Y3
X3
Q305
Q304
SW0
SW1
L1
R1
L2
R2
MS_AU_L
MS_AU_R
IC301 AUDIO PROCESSOR
IN1L
IN1R
IN2L
IN2R
IN3L
IN3R
W_AU_L
W_AU_R
SDA
SCL
SDA(1)
SCL(1)
OUTL
OUTR
AU_MUTE
Q303
INV
IC303 AUDIO AMP
SHUTDOWN
OUT P
OUT N
INP
CN104
VIDEO
Y-1
C-1
B
G
R
Y-2
C-2
RXD/TXD
MD2/RES
CLAMP
15K-CS
SIRCS NF
A
TO B BOARD CN103
CN302
CN011
IC11
NF(SIRCS-NF)
OUT
CN301
SP+
SP-
SPEAKER
DDC SCL
IC105 SW
IC102 DDC
DCSDA
SDA_100K_2
SCL_100K_2
DDC_SW1
DDC_SW0
Y-COM
0X
A
X-COM
0Z
C
B
1Y
0Y
Z-COM
1Z
1X
SCL
SDA
VCLK
D107
VCC
5V-4
Q101
REG
DDC RETURN
Q104
DDC_ POWER
Q103
DDC,WC
Q304
DUTY_H/L
Q411 Q408
Q409,Q421 Q403,Q410
IN-A_G/Y
BUFF CLAMP
BUFF AMP CLAMP
Q401 Q402
DEC_EN
IC203 SYNC SEP
GREENIN
V_POL
H_POL
HSS
VSS
CLAMP
15K-CS
V.POL
H.POL
HD
VD
CLAMP
IC202 SYNC SEP
Q207
Q209
C/H
V_IN
LIMITER
Q213
Q212
Y-COM
X-COM
VS
HS
Q201,Q202
Q203,Q204
Q208,Q210
BUFF
SLICE
AMP BUFF
Q206
Q205
SW(3)
PC_DTV

Section 6
Diagrams

6-1. Frame Schematic Diagram



6-2. Schematic Diagrams and Printed Wiring Boards

Note:

- The parts marked " # " on schematic diagrams are not mounted.
- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
- : fusible resistor
- : nonflammable resistor
- : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

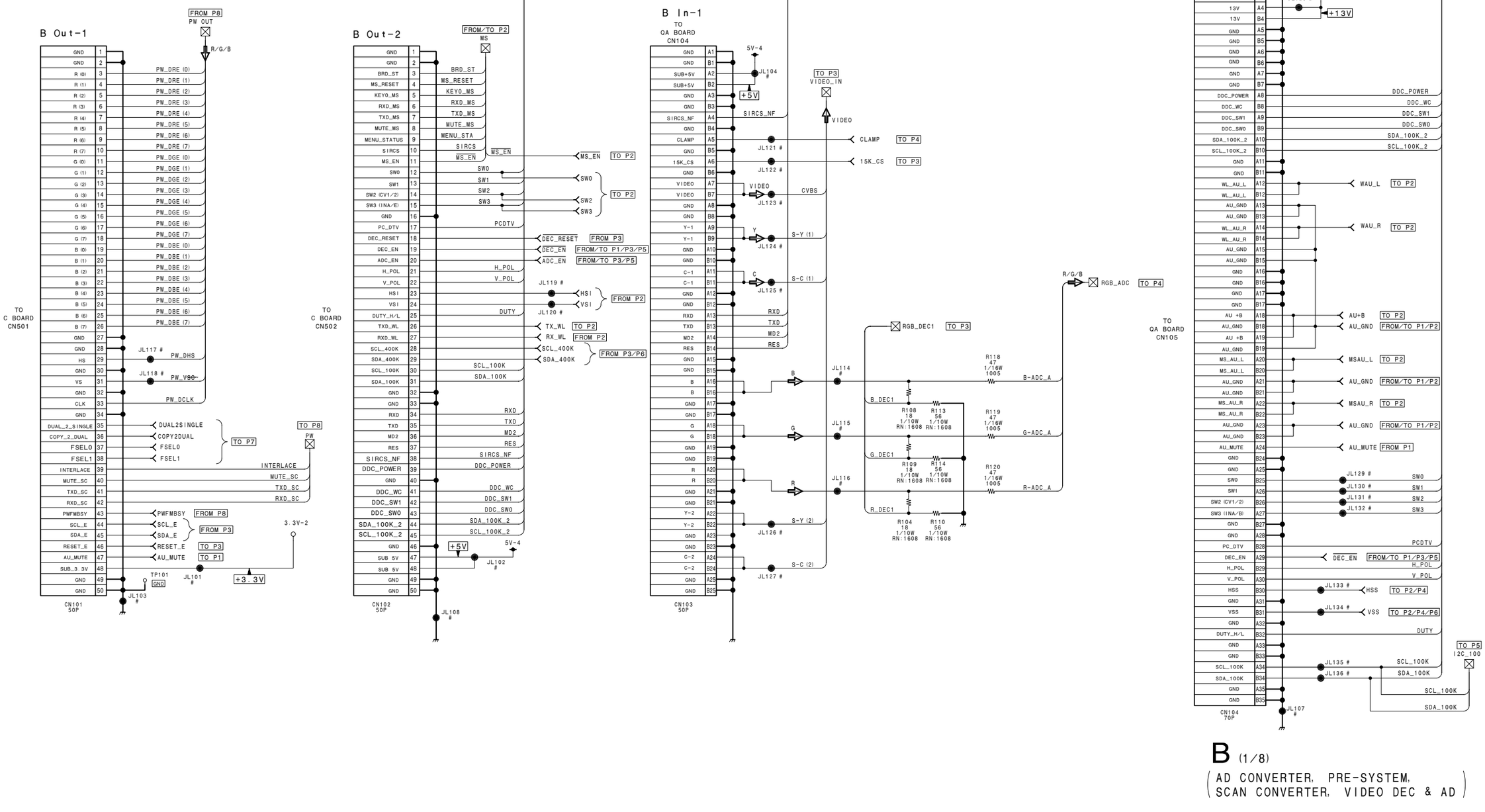
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

[Measuring conditions, voltage and waveform]

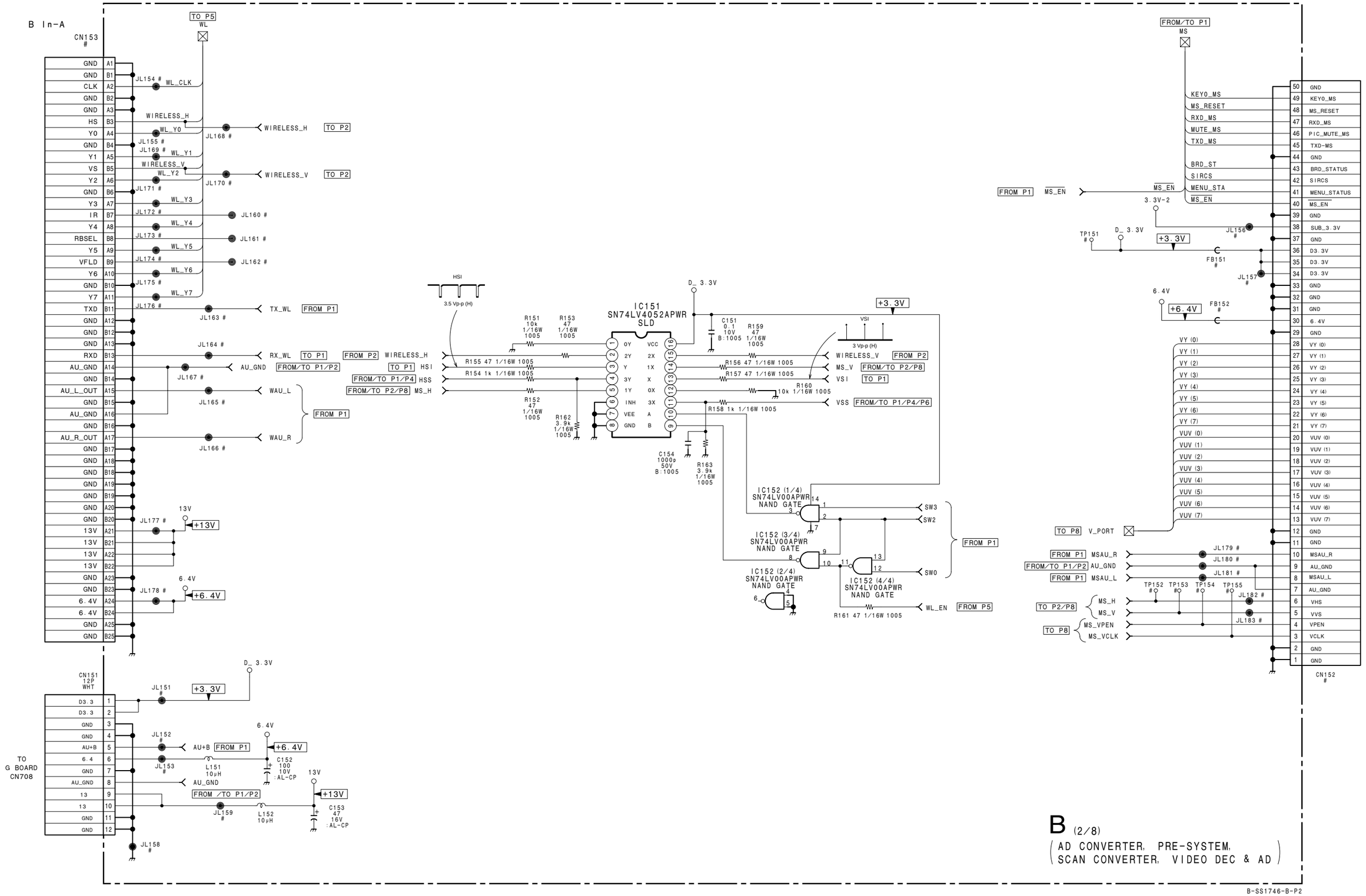
- A voltage value is the reference value between the measurement point and the earth, when the RGB color bar signal is received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- Unit of voltage is V (volt).
- : B+line
- : B– line
- Voltage variations may occur due to normal production tolerances.
- : Signal path.

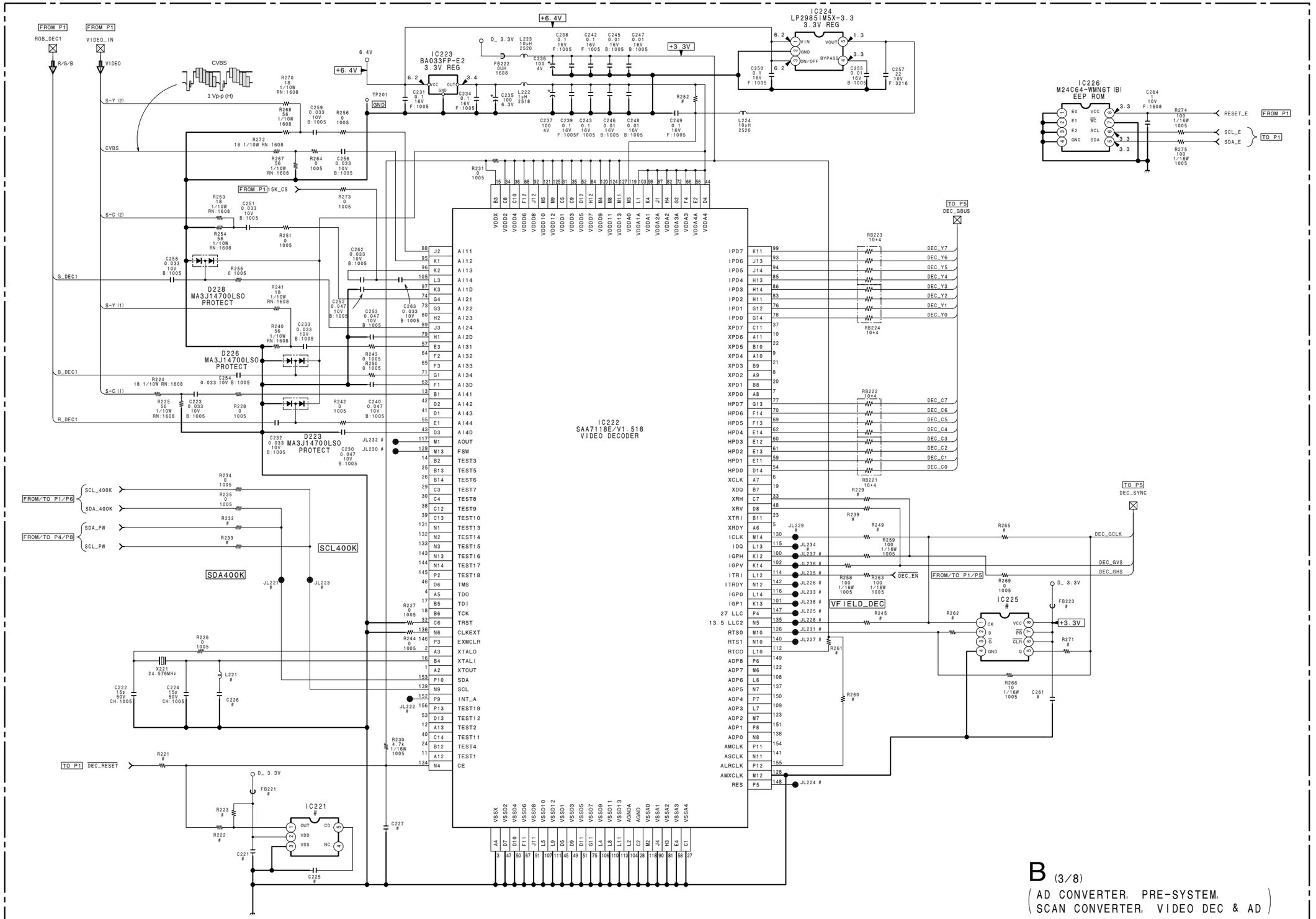
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.


B Out-1
FROM P8
PW OUT
R/G/B
TO C BOARD CN501
PW_DRE (0)
PW_DRE (1)
PW_DRE (2)
PW_DRE (3)
PW_DRE (4)
PW_DRE (5)
PW_DRE (6)
PW_DRE (7)
PW_DGE (0)
PW_DGE (1)
PW_DGE (2)
PW_DGE (3)
PW_DGE (4)
PW_DGE (5)
PW_DGE (6)
PW_DGE (7)
PW_DBE (0)
PW_DBE (1)
PW_DBE (2)
PW_DBE (3)
PW_DBE (4)
PW_DBE (5)
PW_DBE (6)
PW_DBE (7)
JL117 #
PW_DHS
JL118 #
PW_VSG
PW_DCLK
DUAL2SINGLE
COPY2DUAL
FSEL0
FSEL1
TO P7
TO P8
PW
INTERLACE
MUTE_SC
TXD_SC
RXD_SC
PWFMBSY
FROM P8
SCL_E
SDA_E
FROM P3
RESET_E
TO P3
AU_MUTE
TO P1
3.3V-2
+3.3V
TP101
GND
JL101 #
JL103 #
CN101 50P
B Out-2
FROM/TO P2
MS
TO C BOARD CN502
BRD_ST
MS_RESET
KEYO_MS
RXD_MS
TXD_MS
MUTE_MS
MENU_STA
SIRCS
MS_EN
MS_EN
TO P2
SW0
SW1
SW2
SW3
PCDTV
DEC_RESET
FROM P3
DEC_EN
FROM/TO P1/P3/P5
ADC_EN
FROM/TO P3/P5
H_POL
V_POL
JL119 #
HSI
VSI
FROM P2
JL120 #
DUTY
TX_WL
TO P2
RX_WL
FROM P2
SCL_400K
SDA_400K
FROM P3/P6
SCL_100K
SDA_100K
RXD
TXD
MD2
RES
SIRCS_NF
DDC_POWER
DDC_WC
DDC_SW1
DDC_SW0
SDA_100K_2
SCL_100K_2
+5V
5V-4
JL102 #
JL108 #
CN102 50P
B In-1
TO QA BOARD CN104
5V-4
JL104 #
+5V
SIRCS_NF
TO P3
VIDEO_IN
VIDEO
CLAMP
TO P4
JL121 #
15K_CS
TO P3
JL122 #
VIDEO
JL123 #
CVBS
Y
JL124 #
S-Y (1)
C
JL125 #
S-C (1)
RXD
TXD
MD2
RES
RGB_DEC1
TO P3
B
G
R
JL114 #
JL115 #
JL116 #
S-Y (2)
JL126 #
S-C (2)
JL127 #
B_DEC1
G_DEC1
R_DEC1
R108 18 1/10W RN:1608
R113 56 1/10W RN:1608
R109 18 1/10W RN:1608
R114 56 1/10W RN:1608
R104 18 1/10W RN:1608
R110 56 1/10W RN:1608
R118 47 1/16W 1005
R119 47 1/16W 1005
R120 47 1/16W 1005
B-ADC_A
G-ADC_A
R-ADC_A
CN103 50P
R/G/B
RGB_ADC
TO P4
B In-2
TO QA BOARD CN105
6.4V
JL105 #
JL106 #
+6.4V
13V
JL128 #
+13V
DDC_POWER
DDC_WC
DDC_SW1
DDC_SW0
SDA_100K_2
SCL_100K_2
WAU_L
TO P2
WAU_R
TO P2
AU+B
TO P2
AU_GND
FROM/TO P1/P2
MSAU_L
TO P2
AU_GND
FROM/TO P1/P2
MSAU_R
TO P2
AU_GND
FROM/TO P1/P2
AU_MUTE
FROM P1
JL129 #
SW0
JL130 #
SW1
JL131 #
SW2
JL132 #
SW3
PCDTV
DEC_EN
FROM/TO P1/P3/P5
H_POL
V_POL
JL133 #
HSS
TO P2/P4
JL134 #
VSS
TO P2/P4/P6
DUTY
TO P5
I2C_100
JL135 #
SCL_100K
JL136 #
SDA_100K
SCL_100K
SDA_100K
JL107 #
CN104 70P
B (1/8)
AD CONVERTER, PRE-SYSTEM,
SCAN CONVERTER, VIDEO DEC & AD

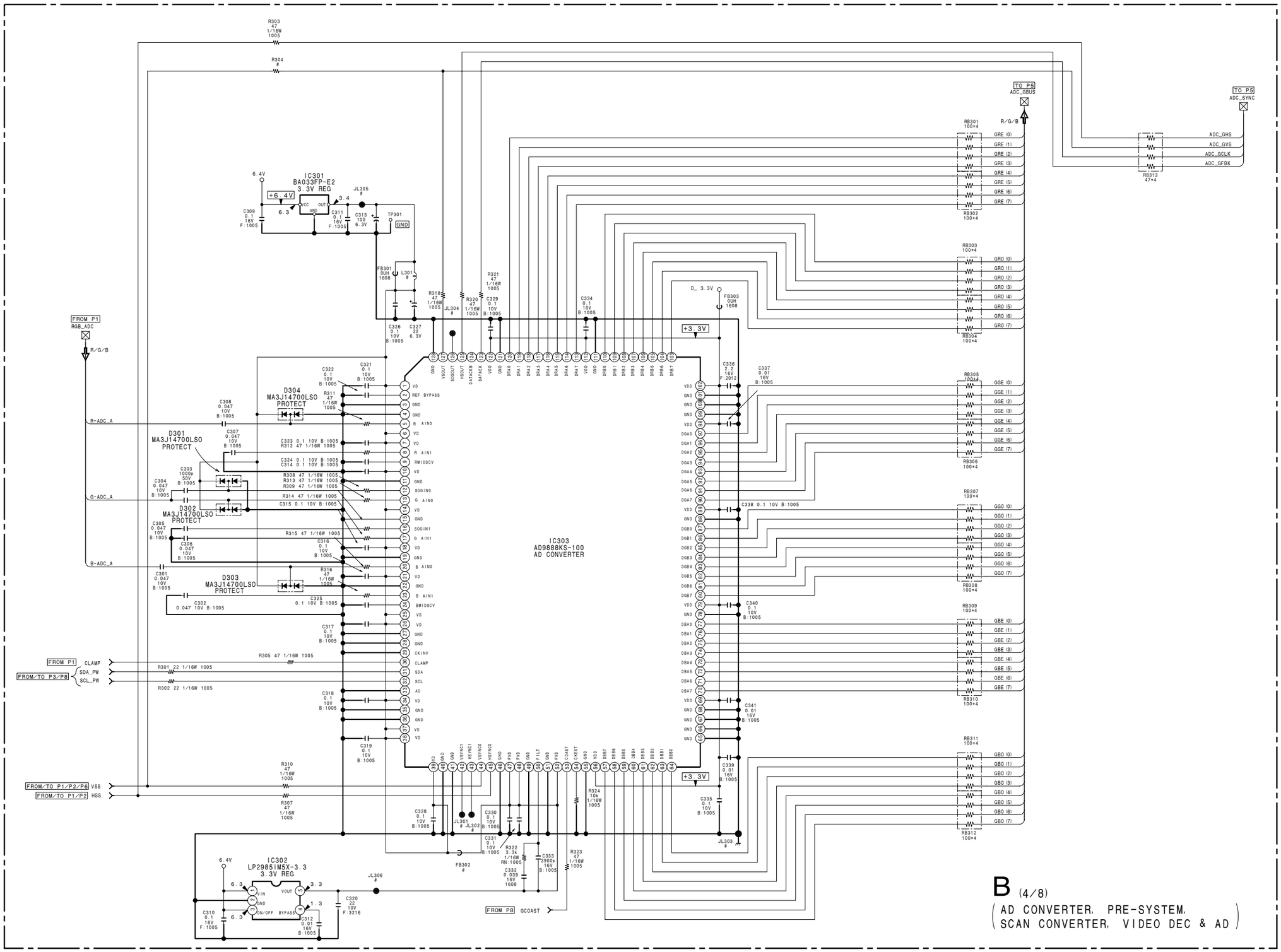
B-SS1746-B-P1


B In-A
CN153
TO P5
WL
GND A1
GND B1
CLK A2
GND B2
GND A3
HS B3
Y0 A4
GND B4
Y1 A5
VS B5
Y2 A6
GND B6
Y3 A7
IR B7
Y4 A8
RBSEL B8
Y5 A9
VFLD B9
Y6 A10
GND B10
Y7 A11
TXD B11
GND A12
GND B12
GND A13
RXD B13
AU_GND A14
GND B14
AU_L_OUT A15
GND B15
AU_GND A16
GND B16
AU_R_OUT A17
GND B17
GND A18
GND B18
GND A19
GND B19
GND A20
GND B20
13V A21
13V B21
13V A22
13V B22
GND A23
GND B23
6.4V A24
6.4V B24
GND A25
GND B25
JL154 # WL_CLK
WIRELESS_H
WL_Y0
JL168 #
WIRELESS_H TO P2
JL155 #
JL169 # WL_Y1
WIRELESS_V
WL_Y2
JL170 #
WIRELESS_V TO P2
JL171 #
WL_Y3
JL172 # JL160 #
WL_Y4
JL173 # JL161 #
WL_Y5
JL174 # JL162 #
WL_Y6
JL175 #
WL_Y7
JL176 # JL163 #
TX_WL FROM P1
JL164 #
RX_WL TO P1 FROM P2 WIRELESS_H
JL167 #
AU_GND FROM/TO P1/P2 TO P1 HSI
FROM/TO P1/P4 HSS
FROM/TO P2/P8 MS_H
JL165 #
WAU_L
FROM P1
JL166 #
WAU_R
13V
JL177 # +13V
6.4V
JL178 # +6.4V
HSI
3.5 Vp-p (H)
IC151
SN74LV4052APWR
SLD
D_3.3V
R151 10k 1/16W 1005
R153 47 1/16W 1005
R154 1k 1/16W 1005
R155 47 1/16W 1005
R152 47 1/16W 1005
R162 3.9k 1/16W 1005
C151 0.1 10V B:1005
R159 47 1/16W 1005
+3.3V
VSI
3 Vp-p (H)
R156 47 1/16W 1005
R157 47 1/16W 1005
R160 10k 1/16W 1005
R158 1k 1/16W 1005
WIRELESS_V FROM P2
MS_V FROM/TO P2/P8
VSI TO P1
VSS FROM/TO P1/P4/P6
C154 1000p 50V B:1005
R163 3.9k 1/16W 1005
IC152 (1/4) SN74LV00APWR NAND GATE
IC152 (3/4) SN74LV00APWR NAND GATE
IC152 (2/4) SN74LV00APWR NAND GATE
IC152 (4/4) SN74LV00APWR NAND GATE
SW3
SW2
SW0
FROM P1
WL_EN FROM P5
R161 47 1/16W 1005
FROM/TO P1
MS
FROM P1 MS_EN
KEY0_MS
MS_RESET
RXD_MS
MUTE_MS
TXD_MS
BRD_ST
SIRCS
MENU_STA
MS_EN
3.3V-2
TP151
D_3.3V
+3.3V
JL156
FB151
JL157
6.4V
+6.4V
FB152
VY (0)
VY (1)
VY (2)
VY (3)
VY (4)
VY (5)
VY (6)
VY (7)
VUV (0)
VUV (1)
VUV (2)
VUV (3)
VUV (4)
VUV (5)
VUV (6)
VUV (7)
TO P8 V_PORT
FROM P1 MSAU_R JL179 #
FROM/TO P1/P2 AU_GND JL180 #
FROM P1 MSAU_L JL181 #
TP152 TP153 TP154 TP155
TO P2/P8 MS_H MS_V JL182 #
TO P8 MS_VPEN MS_VCLK JL183 #
50 GND
49 KEY0_MS
48 MS_RESET
47 RXD_MS
46 PIC_MUTE_MS
45 TXD-MS
44 GND
43 BRD_STATUS
42 SIRCS
41 MENU_STATUS
40 MS_EN
39 GND
38 SUB_3.3V
37 GND
36 D3.3V
35 D3.3V
34 D3.3V
33 GND
32 GND
31 GND
30 6.4V
29 GND
28 VY (0)
27 VY (1)
26 VY (2)
25 VY (3)
24 VY (4)
23 VY (5)
22 VY (6)
21 VY (7)
20 VUV (0)
19 VUV (1)
18 VUV (2)
17 VUV (3)
16 VUV (4)
15 VUV (5)
14 VUV (6)
13 VUV (7)
12 GND
11 GND
10 MSAU_R
9 AU_GND
8 MSAU_L
7 AU_GND
6 VHS
5 VVS
4 VPEN
3 VCLK
2 GND
1 GND
CN152
CN151 12P WHT
D3.3 1
D3.3 2
GND 3
GND 4
AU+B 5
6.4 6
GND 7
AU_GND 8
13 9
13 10
GND 11
GND 12
JL151 +3.3V
JL152 AU+B FROM P1
JL153
L151 10µH
C152 100 10V :AL-CP
AU_GND
FROM /TO P1/P2
JL159
L152 10µH
C153 47 16V :AL-CP
JL158
TO G BOARD CN708
B (2/8)
AD CONVERTER, PRE-SYSTEM, SCAN CONVERTER, VIDEO DEC & AD
B-SS1746-B-P2

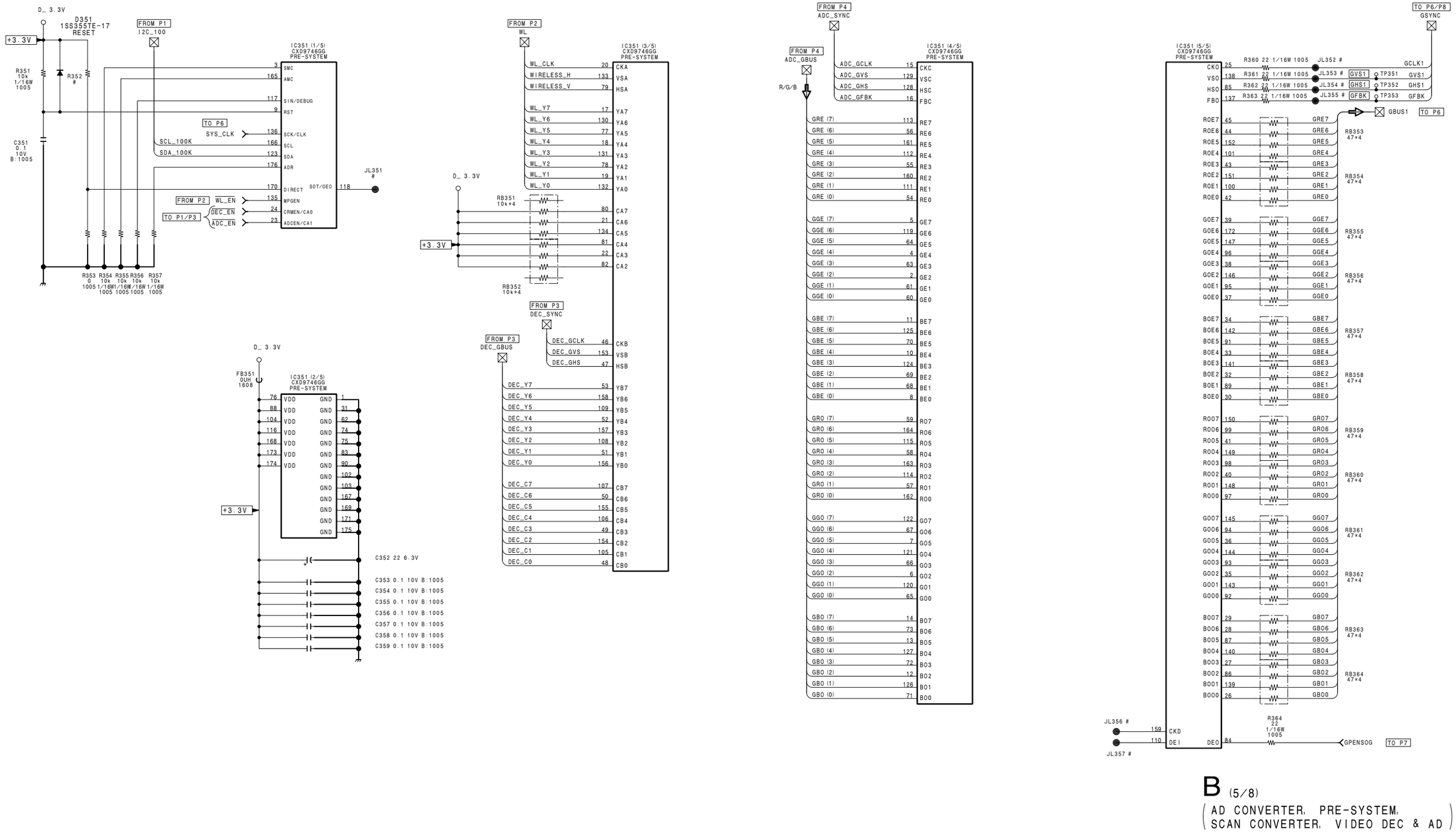


B (3/8)
(AD CONVERTER, PRE-SYSTEM,
SCAN CONVERTER, VIDEO DEC & AD)

B-SS1746-B-P3


IC303
AD9888KS-100
AD CONVERTER
IC301
BA033FP-E2
3.3V REG
IC302
LP2985IM5X-3.3
3.3V REG
D304
MA3J14700LSO
PROTECT
D301
MA3J14700LSO
PROTECT
D302
MA3J14700LSO
PROTECT
D303
MA3J14700LSO
PROTECT
TO P5
ADC_GBUS
TO P5
ADC_SYNC
FROM P1
RGB_ADC
R/G/B
R-ADC_A
G-ADC_A
B-ADC_A
FROM P1
CLAMP
SDA_PW
SCL_PW
FROM/TO P3/P8
FROM/TO P1/P2/P6
VSS
FROM/TO P1/P2
HSS
FROM P8
GCOAST
ADC_GHS
ADC_GVS
ADC_GCLK
ADC_GFBK
+3.3V
+6.4V
B (4/8)
(AD CONVERTER, PRE-SYSTEM,
SCAN CONVERTER, VIDEO DEC & AD)

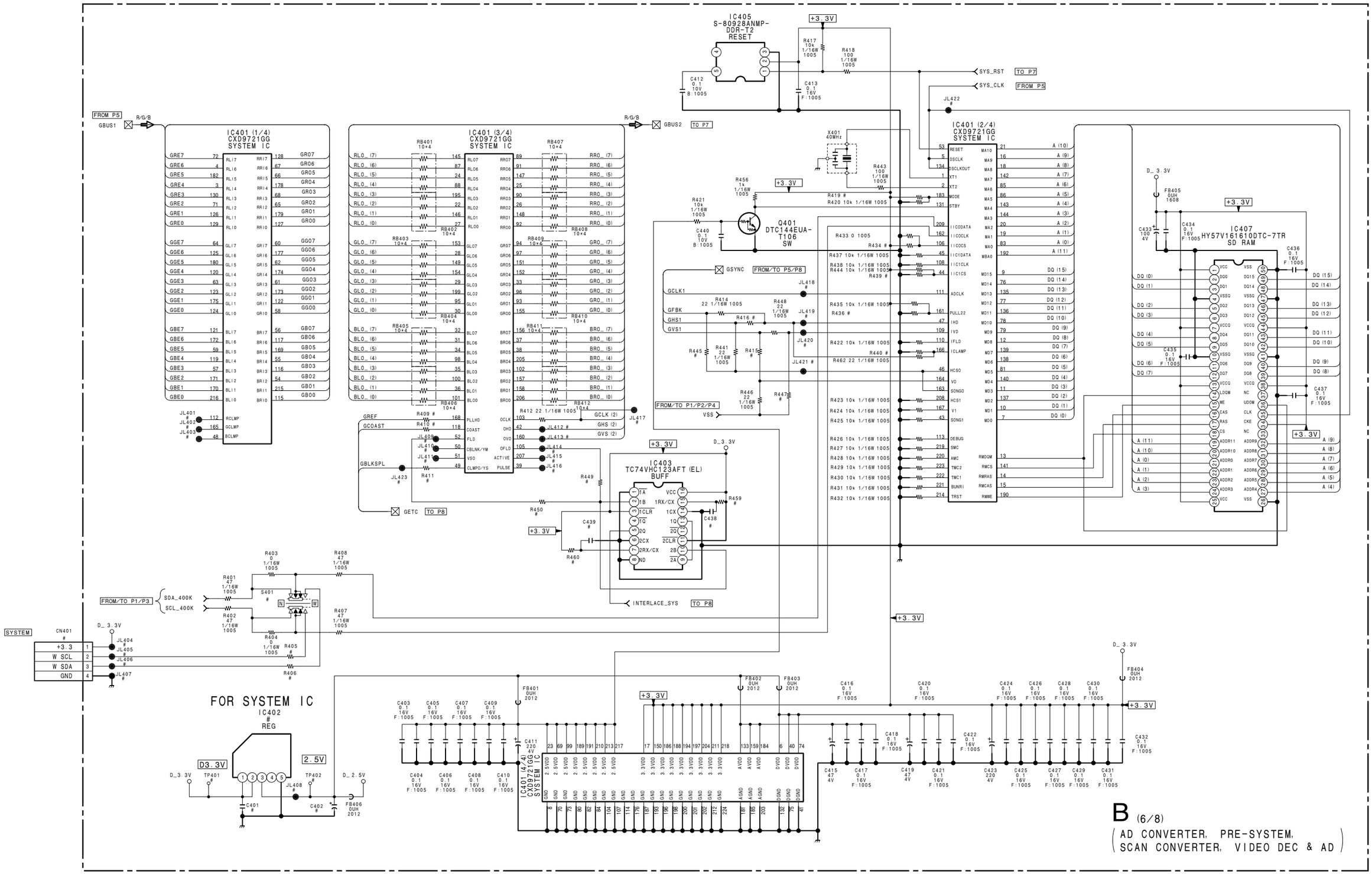
B-SS1746-B-P4



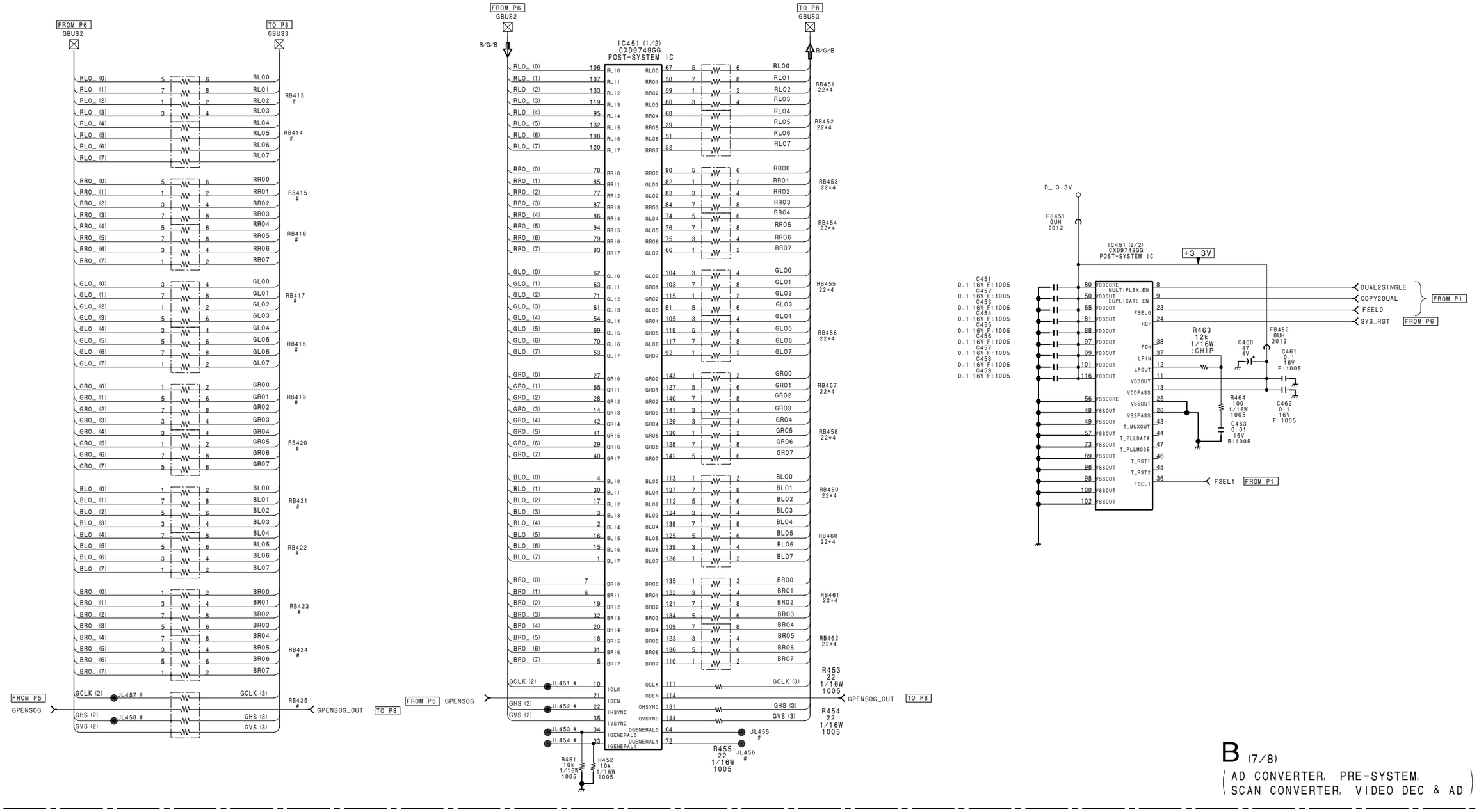
B (5/8)

(AD CONVERTER, PRE-SYSTEM, SCAN CONVERTER, VIDEO DEC & AD)

B-SS1746-B-P5


IC405
S-80928ANMP-
DDR-T2
RESET
+3.3V
SYS_RST
TO P7
SYS_CLK
FROM P5
JL422
FROM P5
GBUS1
R/G/B
IC401 (1/4)
CXD9721GG
SYSTEM IC
GRE7 GRE6 GRE5 GRE4 GRE3 GRE2 GRE1 GRE0
GGE7 GGE6 GGE5 GGE4 GGE3 GGE2 GGE1 GGE0
GBE7 GBE6 GBE5 GBE4 GBE3 GBE2 GBE1 GBE0
GR07 GR06 GR05 GR04 GR03 GR02 GR01 GR00
GG07 GG06 GG05 GG04 GG03 GG02 GG01 GG00
GB07 GB06 GB05 GB04 GB03 GB02 GB01 GB00
RCLMP
GCLMP
BCLMP
R/G/B
GBUS2
TO P7
IC401 (3/4)
CXD9721GG
SYSTEM IC
RLO_ (7) RLO_ (6) RLO_ (5) RLO_ (4) RLO_ (3) RLO_ (2) RLO_ (1) RLO_ (0)
GLO_ (7) GLO_ (6) GLO_ (5) GLO_ (4) GLO_ (3) GLO_ (2) GLO_ (1) GLO_ (0)
BLO_ (7) BLO_ (6) BLO_ (5) BLO_ (4) BLO_ (3) BLO_ (2) BLO_ (1) BLO_ (0)
RRO_ (7) RRO_ (6) RRO_ (5) RRO_ (4) RRO_ (3) RRO_ (2) RRO_ (1) RRO_ (0)
GRO_ (7) GRO_ (6) GRO_ (5) GRO_ (4) GRO_ (3) GRO_ (2) GRO_ (1) GRO_ (0)
BRO_ (7) BRO_ (6) BRO_ (5) BRO_ (4) BRO_ (3) BRO_ (2) BRO_ (1) BRO_ (0)
GREF
GCOAST
GBLKSPL
GCLK (2)
GHS (2)
GVS (2)
GETC
TO P8
IC403
TC74VHC123AFT (EL)
BUFF
INTERLACE_SYS
TO P8
X401
40MHz
Q401
DTC144EUA-
T106
SW
GSYNC
FROM/TO P5/P8
FROM/TO P1/P2/P4
IC401 (2/4)
CXD9721GG
SYSTEM IC
IC407
HY57V161610DTC-7TR
SD RAM
DQ (15) DQ (14) DQ (13) DQ (12) DQ (11) DQ (10) DQ (9) DQ (8) DQ (7) DQ (6) DQ (5) DQ (4) DQ (3) DQ (2) DQ (1) DQ (0)
A (11) A (10) A (9) A (8) A (7) A (6) A (5) A (4) A (3) A (2) A (1) A (0)
SYSTEM
CN401
+3.3
W SCL
W SDA
GND
SDA_400K
SCL_400K
FROM/TO P1/P3
S401
FOR SYSTEM IC
IC402
REG
D3.3V
2.5V
TP401
TP402
IC401 (4/4)
CXD9721GG
SYSTEM IC
B (6/8)
AD CONVERTER, PRE-SYSTEM,
SCAN CONVERTER, VIDEO DEC & AD

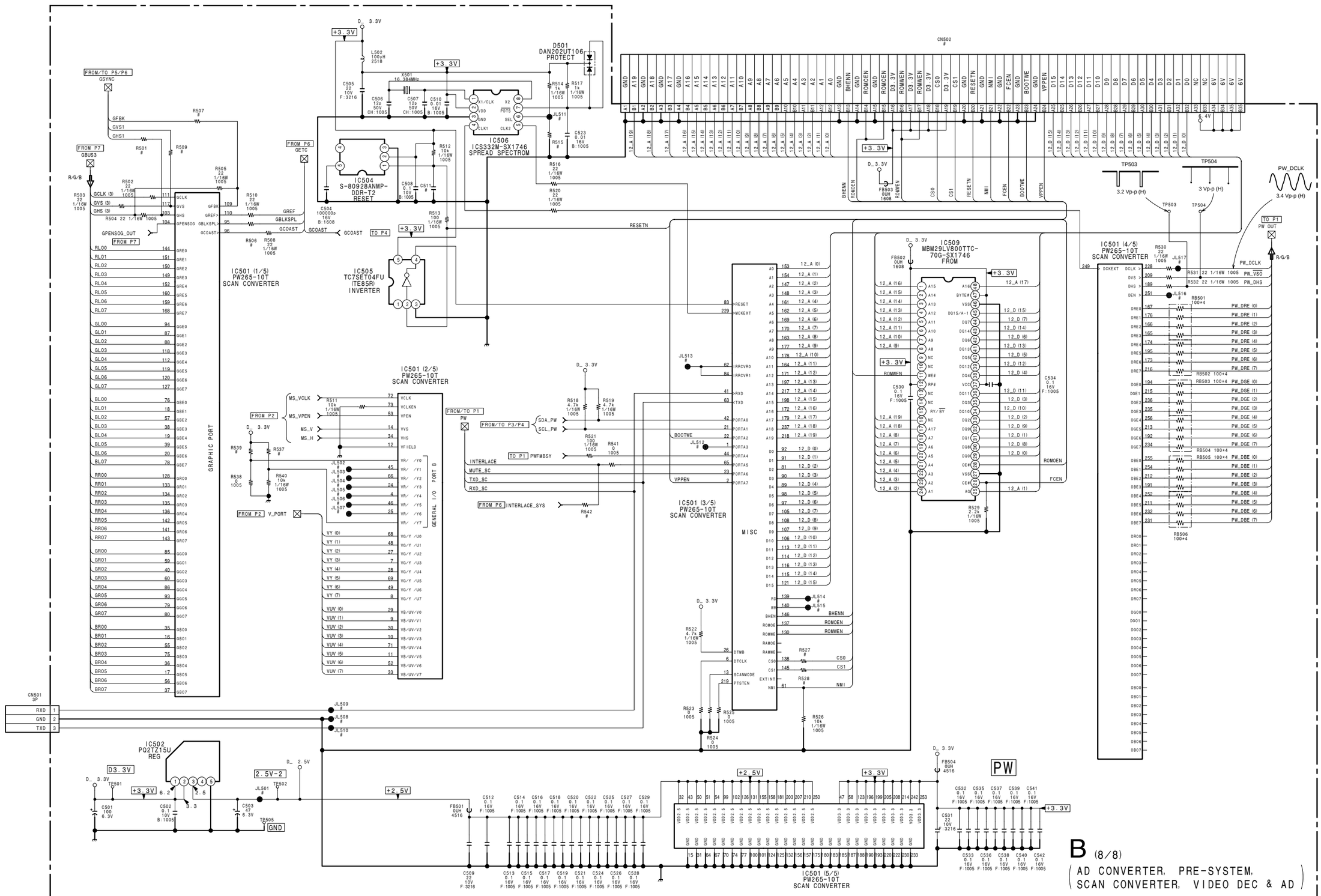
B-SS1746-B-P6



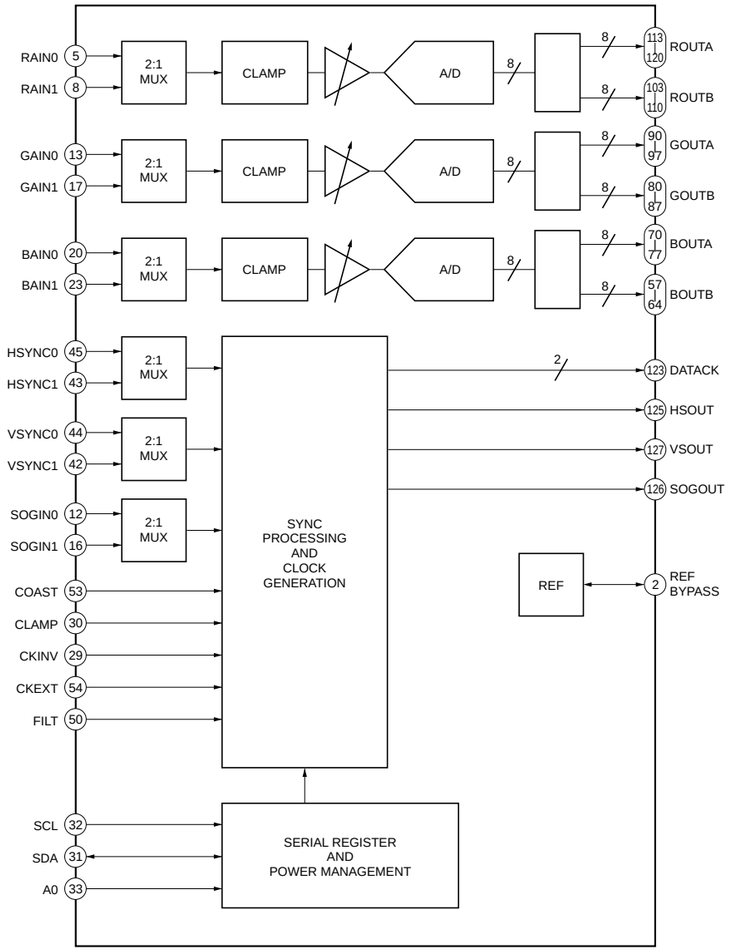
B (7/8)

AD CONVERTER, PRE-SYSTEM, SCAN CONVERTER, VIDEO DEC & AD

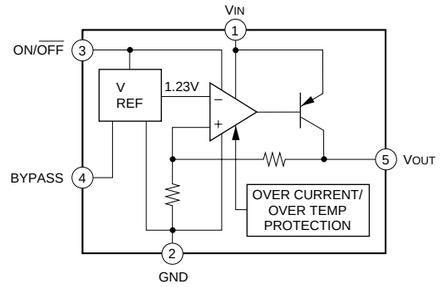
B-SS1746-B-P7


IC501 (1/5) PW265-10T SCAN CONVERTER
IC501 (2/5) PW265-10T SCAN CONVERTER
IC501 (3/5) PW265-10T SCAN CONVERTER
IC501 (4/5) PW265-10T SCAN CONVERTER
IC501 (5/5) PW265-10T SCAN CONVERTER
IC504 S-80928ANMP-DDR-T2 RESET
IC505 TC7SET04FU (TE85R) INVERTER
IC506 ICS332M-SX1746 SPREAD SPECTRUM
IC509 MBM29LV800TTC-70G-SX1746 FROM
IC502 PQ2TZ15U REG
D501 DAN202UT106 PROTECT
X501 16.384MHz
GRAPHIC PORT
GENERAL I/O PORT B
MISC
PW
FROM/TO P5/P6
FROM P7
FROM P6
FROM P2
FROM/TO P1
FROM/TO P3/P4
TO P1
TO P4
CN502
CN501 3P
TP503
TP504
3.2 Vp-p (H)
3 Vp-p (H)
3.4 Vp-p (H)
6.4V
D3.3V
2.5V-2
GND
B (8/8)
AD CONVERTER, PRE-SYSTEM, SCAN CONVERTER, VIDEO DEC & AD
B-SS1746-B-P8

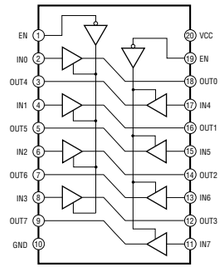
AD9888K-100 (IC303)



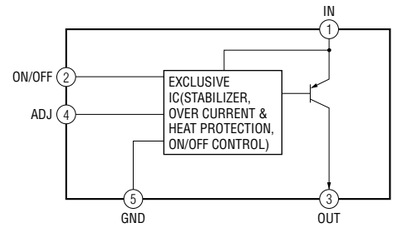
LP2985IM5X-3.3 (IC224, 302)



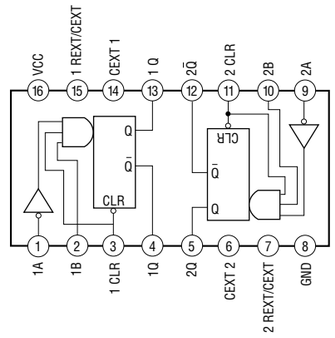
SN74LV244APWR (IC152)



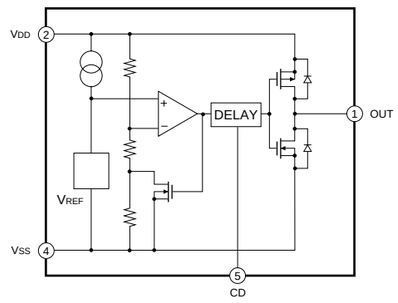
PQ2TZ15U (IC502)



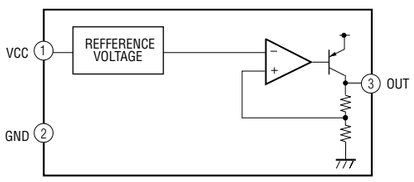
TC74VHC123AFT(EL) (IC403)



S-80928ANMP-DDR-T2 (IC405, 504)



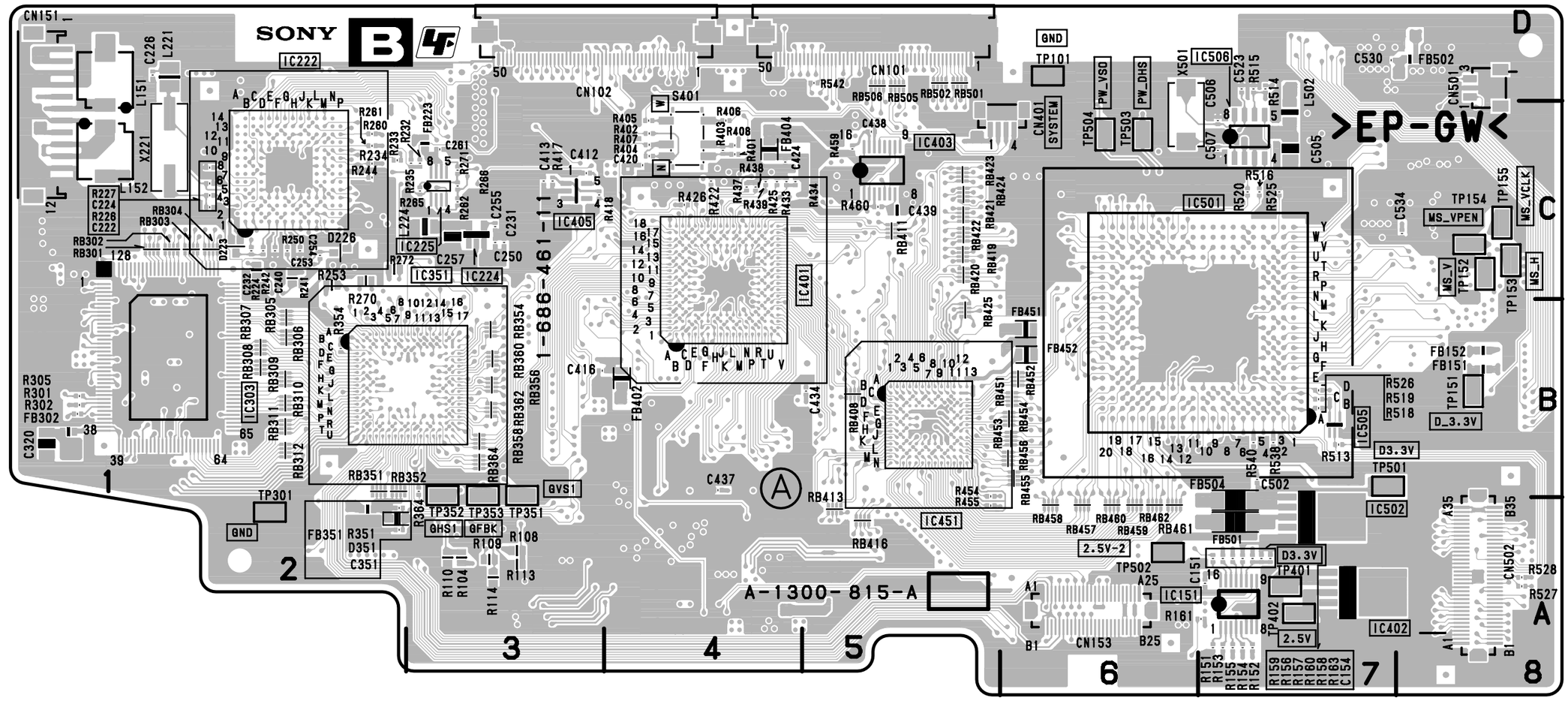
BA033FP-E2 (IC223, 301)



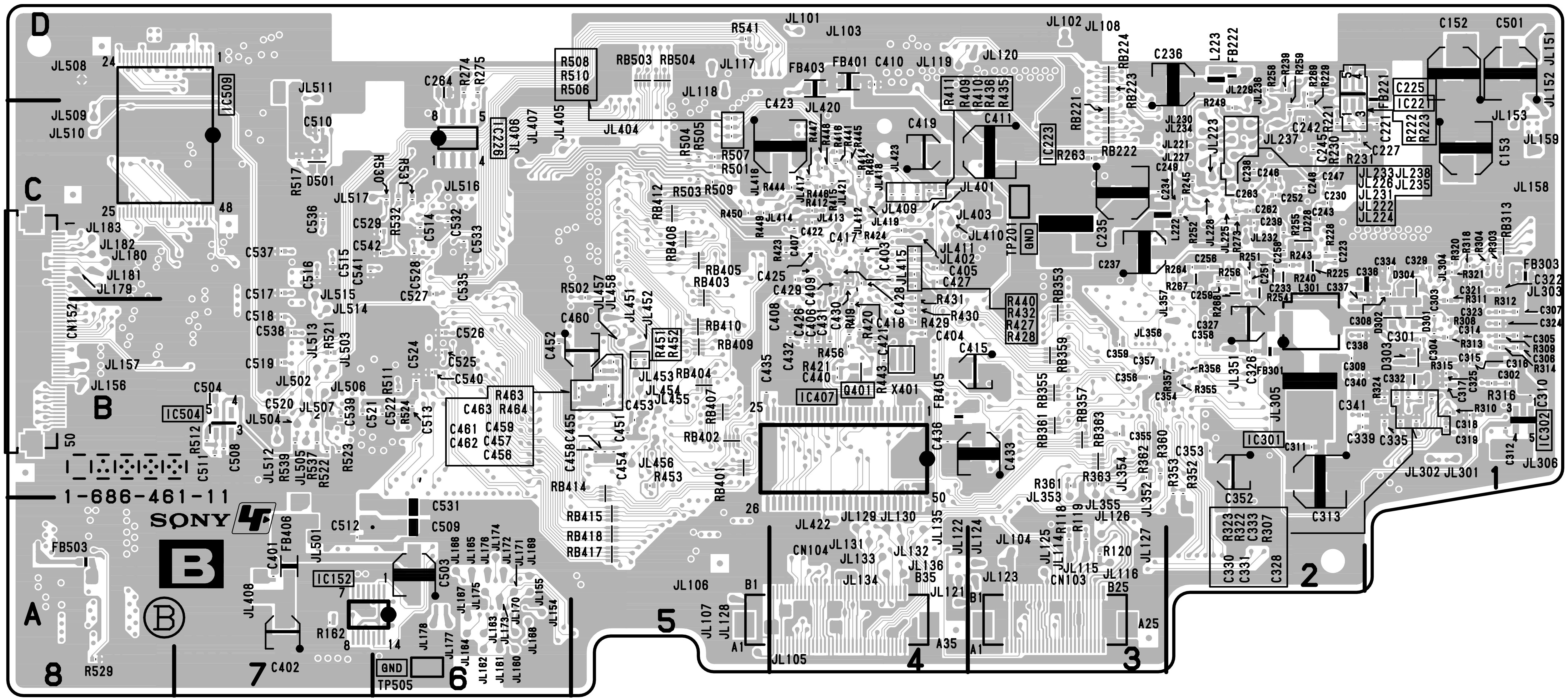
B Board

*:B SIDE

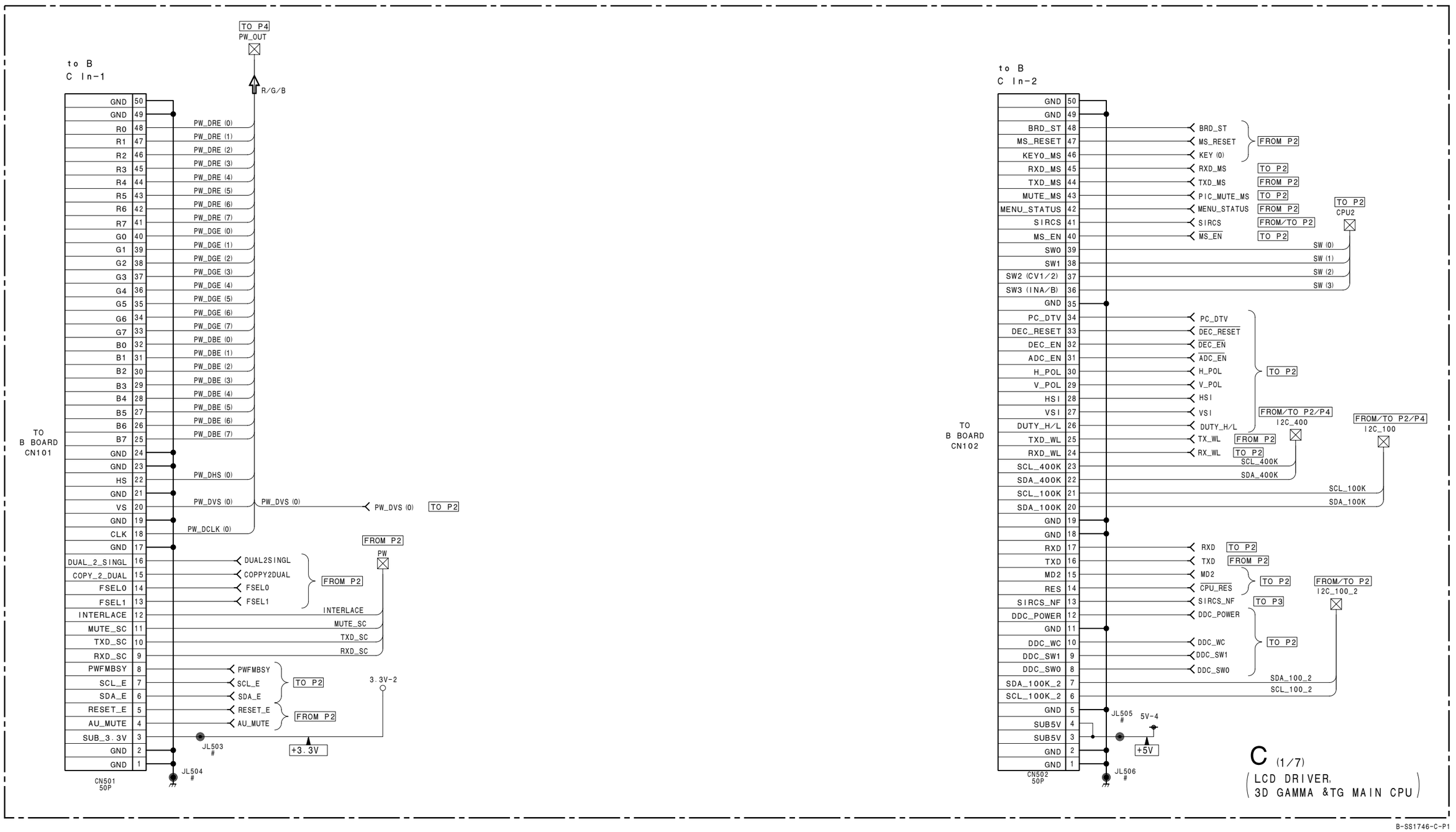
D223	C-2
D226	C-2
D228	*C-2
D301	*B-1
D302	*B-1
D303	*B-1
D304	*C-1
D351	A-2
D501	*C-7
IC151	A-7
IC152	*A-7
IC221	*D-1
IC222	C-2
IC223	*C-3
IC224	C-3
IC225	C-3
IC226	*C-6
IC301	*B-2
IC302	*B-1
IC303	B-1
IC351	B-3
IC401	C-4
IC402	A-7
IC403	C-5
IC405	C-3
IC407	*B-4
IC451	B-5
IC501	C-7
IC502	A-7
IC504	*B-7
IC505	B-7
IC506	C-7
IC509	*C-7
Q401	*B-4
TP101	D-6
TP151	B-8
TP152	C-8
TP153	C-8
TP154	C-8
TP155	C-8
TP201	*C-3
TP301	A-2
TP351	B-3
TP352	B-3
TP353	B-3
TP401	A-7
TP402	A-7
TP501	B-7
TP502	A-6
TP503	C-6
TP504	C-6
TP505	*A-6

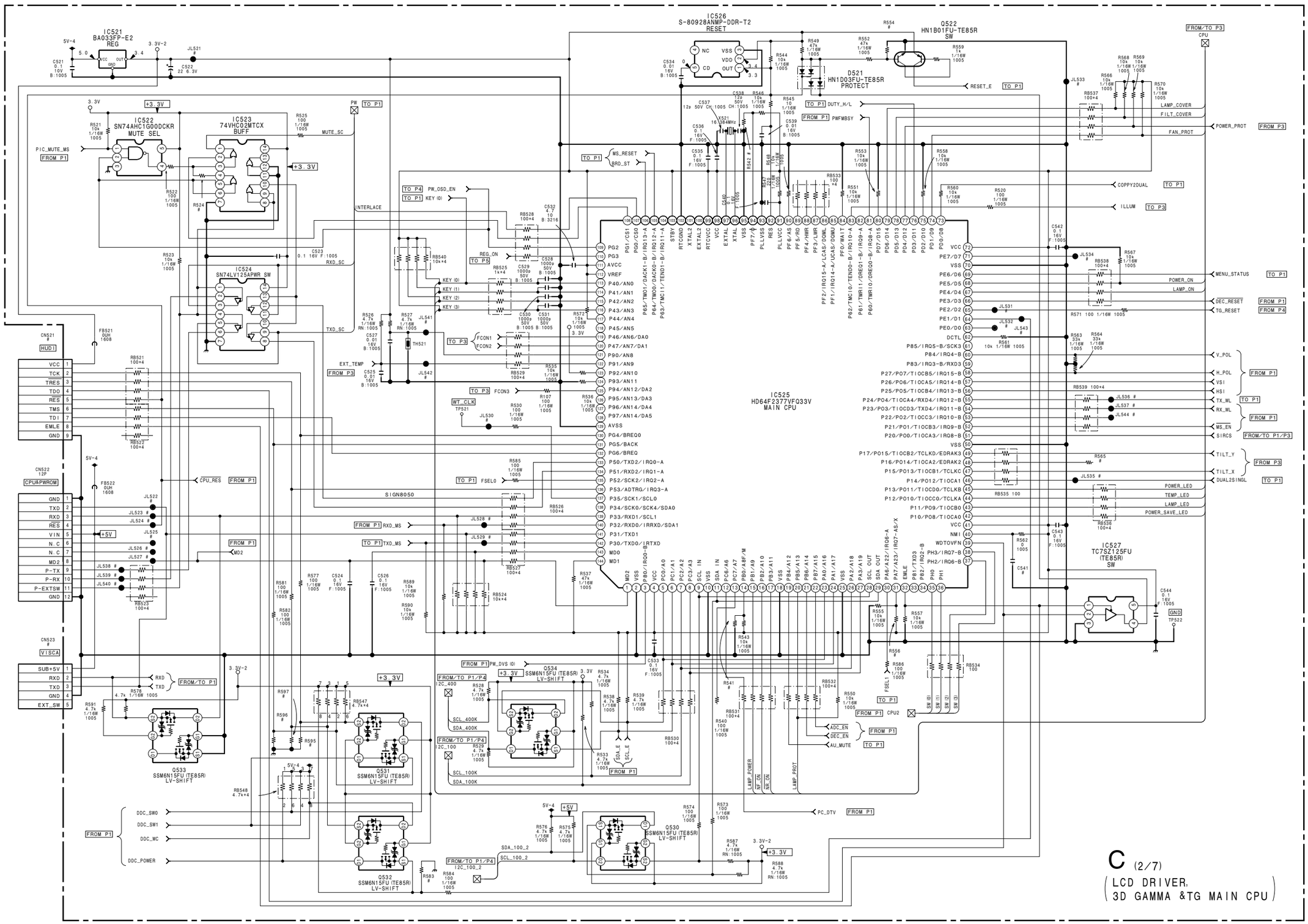


B -A SIDE-
SUFFIX: -11



B -B SIDE-
SUFFIX: -11

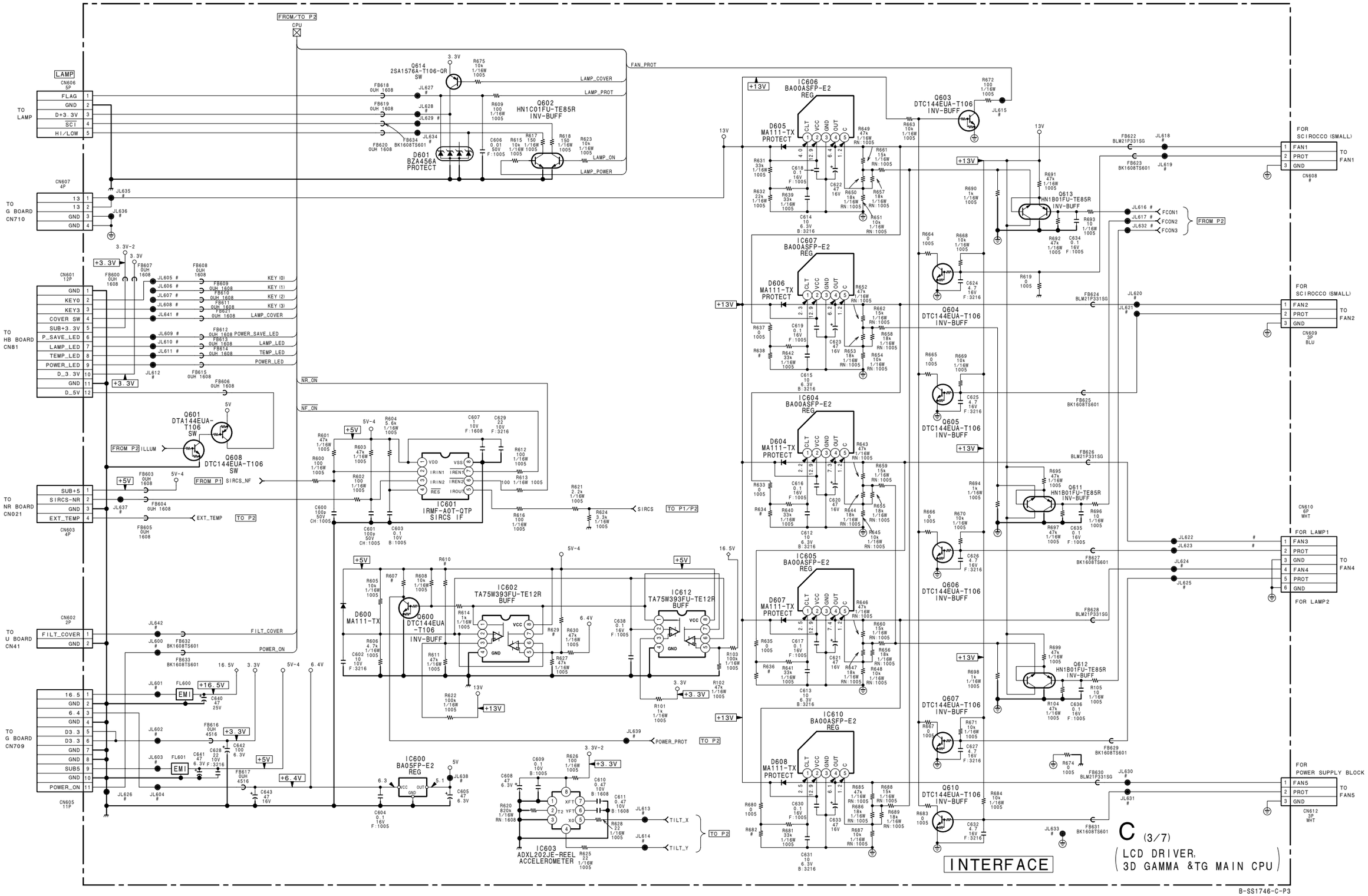

TO P4
PW_OUT
R/G/B
to B
C In-1
GND 50
GND 49
R0 48
R1 47
R2 46
R3 45
R4 44
R5 43
R6 42
R7 41
G0 40
G1 39
G2 38
G3 37
G4 36
G5 35
G6 34
G7 33
B0 32
B1 31
B2 30
B3 29
B4 28
B5 27
B6 26
B7 25
GND 24
GND 23
HS 22
GND 21
VS 20
GND 19
CLK 18
GND 17
DUAL_2_SINGL 16
COPY_2_DUAL 15
FSEL0 14
FSEL1 13
INTERLACE 12
MUTE_SC 11
TXD_SC 10
RXD_SC 9
PWFMBSY 8
SCL_E 7
SDA_E 6
RESET_E 5
AU_MUTE 4
SUB_3.3V 3
GND 2
GND 1
CN501
50P
TO
B BOARD
CN101
PW_DRE (0)
PW_DRE (1)
PW_DRE (2)
PW_DRE (3)
PW_DRE (4)
PW_DRE (5)
PW_DRE (6)
PW_DRE (7)
PW_DGE (0)
PW_DGE (1)
PW_DGE (2)
PW_DGE (3)
PW_DGE (4)
PW_DGE (5)
PW_DGE (6)
PW_DGE (7)
PW_DBE (0)
PW_DBE (1)
PW_DBE (2)
PW_DBE (3)
PW_DBE (4)
PW_DBE (5)
PW_DBE (6)
PW_DBE (7)
PW_DHS (0)
PW_DVS (0)
PW_DVS (0)
PW_DVS (0)
TO P2
PW_DCLK (0)
FROM P2
PW
DUAL2SINGL
COPPY2DUAL
FSEL0
FSEL1
FROM P2
INTERLACE
MUTE_SC
TXD_SC
RXD_SC
PWFMBSY
SCL_E
SDA_E
RESET_E
AU_MUTE
TO P2
FROM P2
3.3V-2
+3.3V
JL503
#
JL504
#
to B
C In-2
GND 50
GND 49
BRD_ST 48
MS_RESET 47
KEY0_MS 46
RXD_MS 45
TXD_MS 44
MUTE_MS 43
MENU_STATUS 42
SIRCS 41
MS_EN 40
SW0 39
SW1 38
SW2 (CV1/2) 37
SW3 (INA/B) 36
GND 35
PC_DTV 34
DEC_RESET 33
DEC_EN 32
ADC_EN 31
H_POL 30
V_POL 29
HSI 28
VSI 27
DUTY_H/L 26
TXD_WL 25
RXD_WL 24
SCL_400K 23
SDA_400K 22
SCL_100K 21
SDA_100K 20
GND 19
GND 18
RXD 17
TXD 16
MD2 15
RES 14
SIRCS_NF 13
DDC_POWER 12
GND 11
DDC_WC 10
DDC_SW1 9
DDC_SW0 8
SDA_100K_2 7
SCL_100K_2 6
GND 5
SUB5V 4
SUB5V 3
GND 2
GND 1
CN502
50P
TO
B BOARD
CN102
BRD_ST
MS_RESET
KEY (0)
FROM P2
RXD_MS
TO P2
TXD_MS
FROM P2
PIC_MUTE_MS
TO P2
MENU_STATUS
FROM P2
SIRCS
FROM/TO P2
MS_EN
TO P2
TO P2
CPU2
SW (0)
SW (1)
SW (2)
SW (3)
PC_DTV
DEC_RESET
DEC_EN
ADC_EN
H_POL
V_POL
HSI
VSI
DUTY_H/L
TX_WL
RX_WL
TO P2
FROM/TO P2/P4
I2C_400
FROM P2
TO P2
SCL_400K
SDA_400K
FROM/TO P2/P4
I2C_100
SCL_100K
SDA_100K
RXD
TXD
MD2
CPU_RES
SIRCS_NF
DDC_POWER
DDC_WC
DDC_SW1
DDC_SW0
TO P2
FROM P2
TO P2
TO P3
TO P2
FROM/TO P2
I2C_100_2
SDA_100_2
SCL_100_2
JL505
#
5V-4
+5V
JL506
#
C (1/7)
LCD DRIVER,
3D GAMMA &TG MAIN CPU
B-SS1746-C-P1

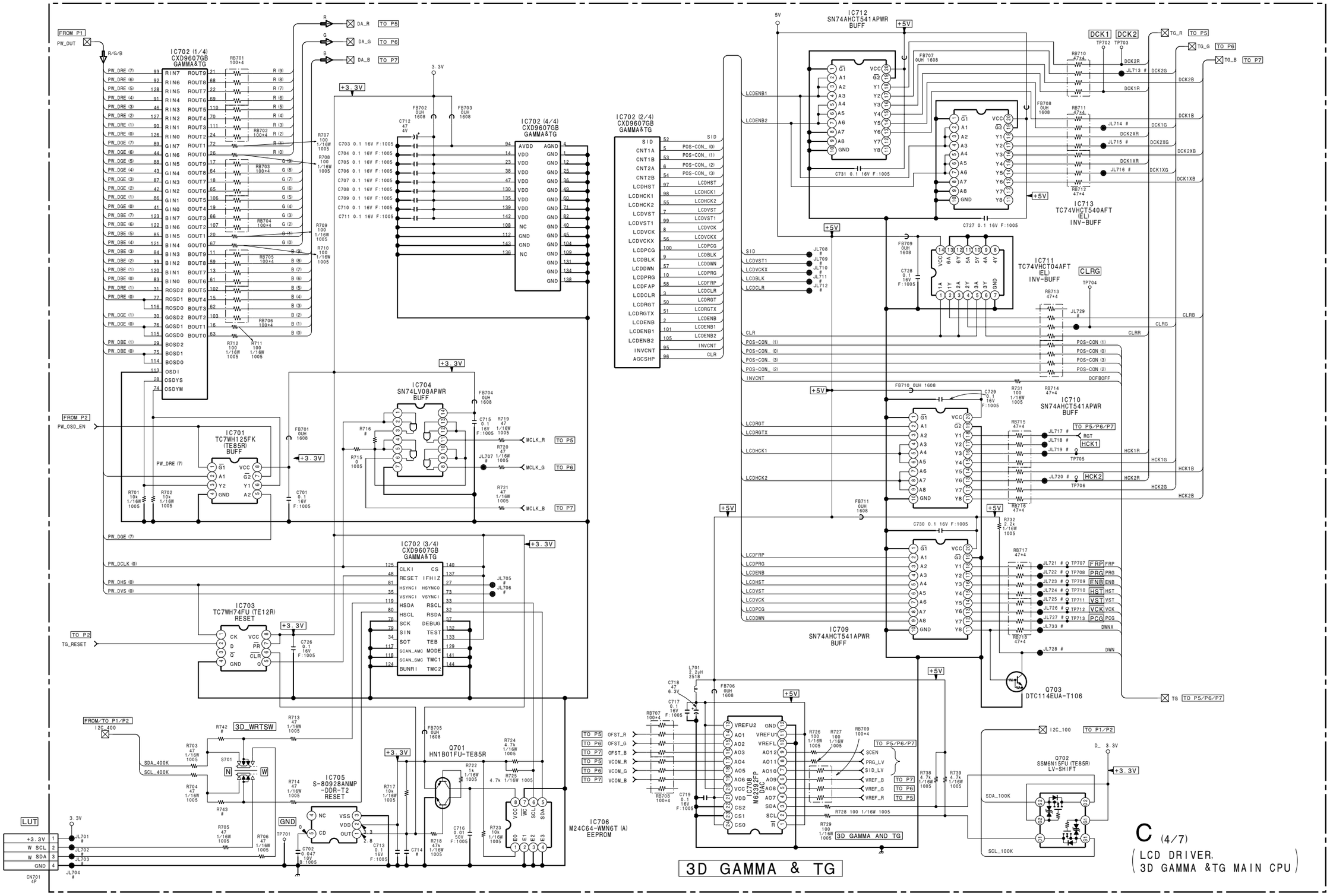


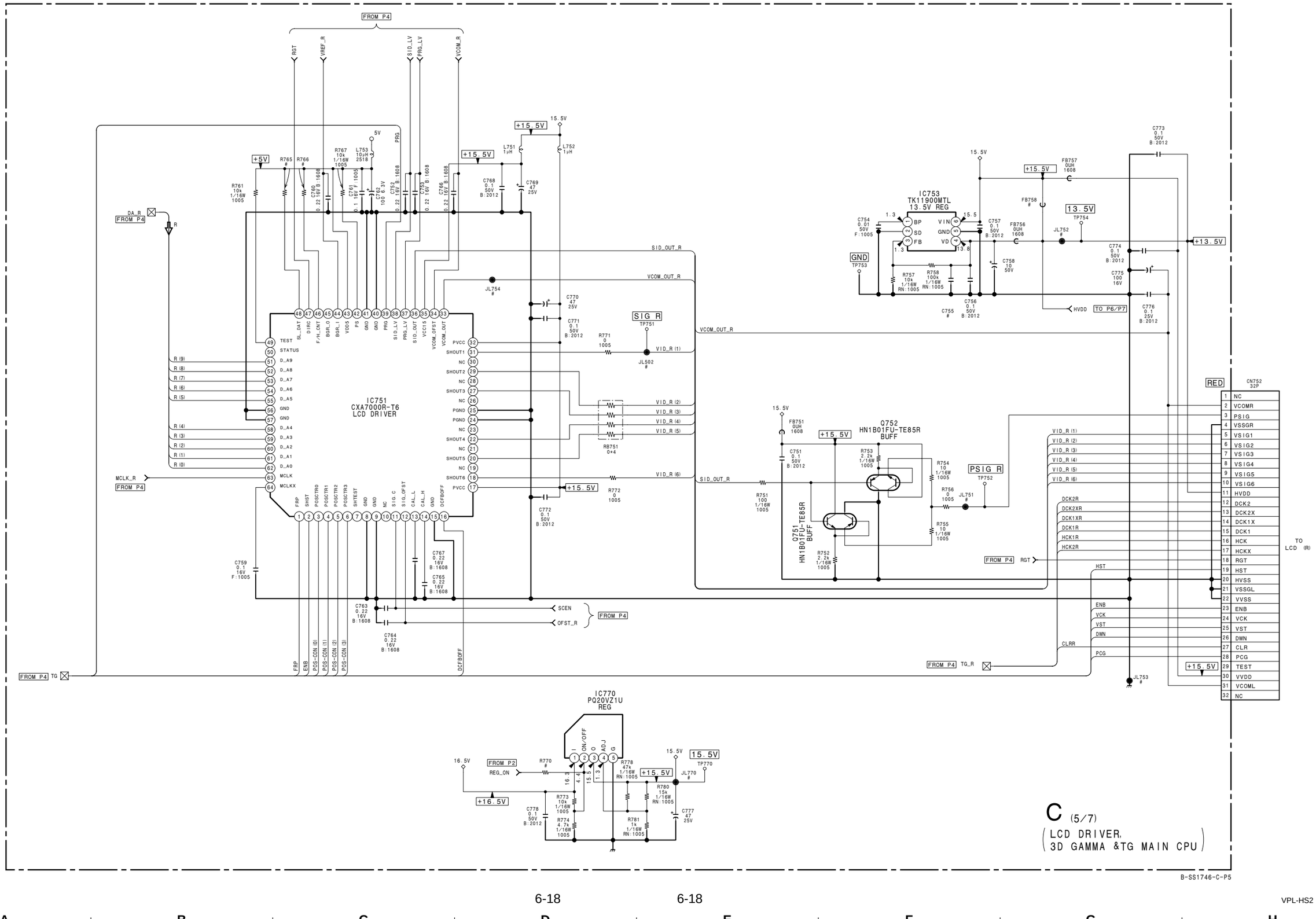
C (2/7)
LCD DRIVER,
3D GAMMA &TG MAIN CPU

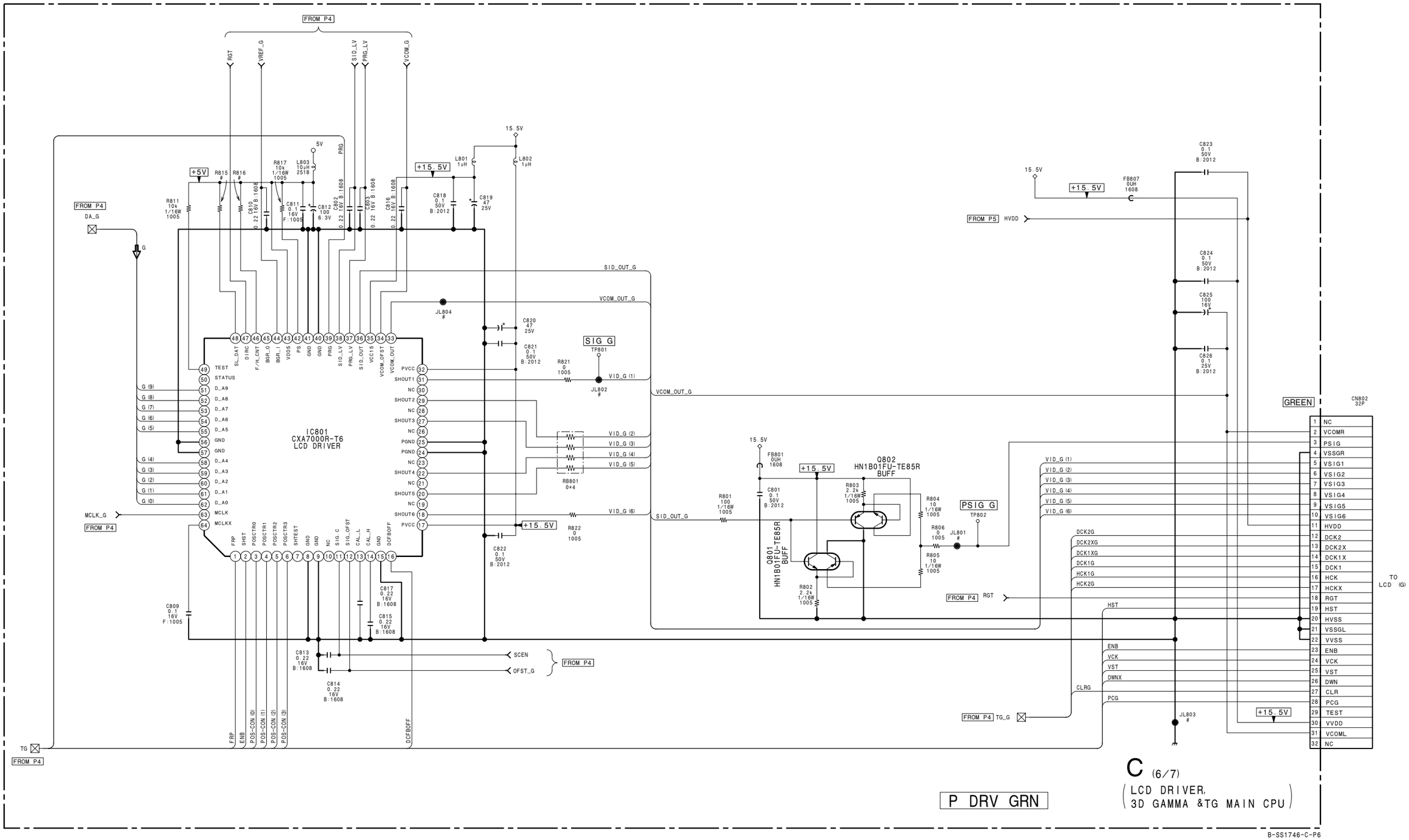
B-SS1746-C-P2

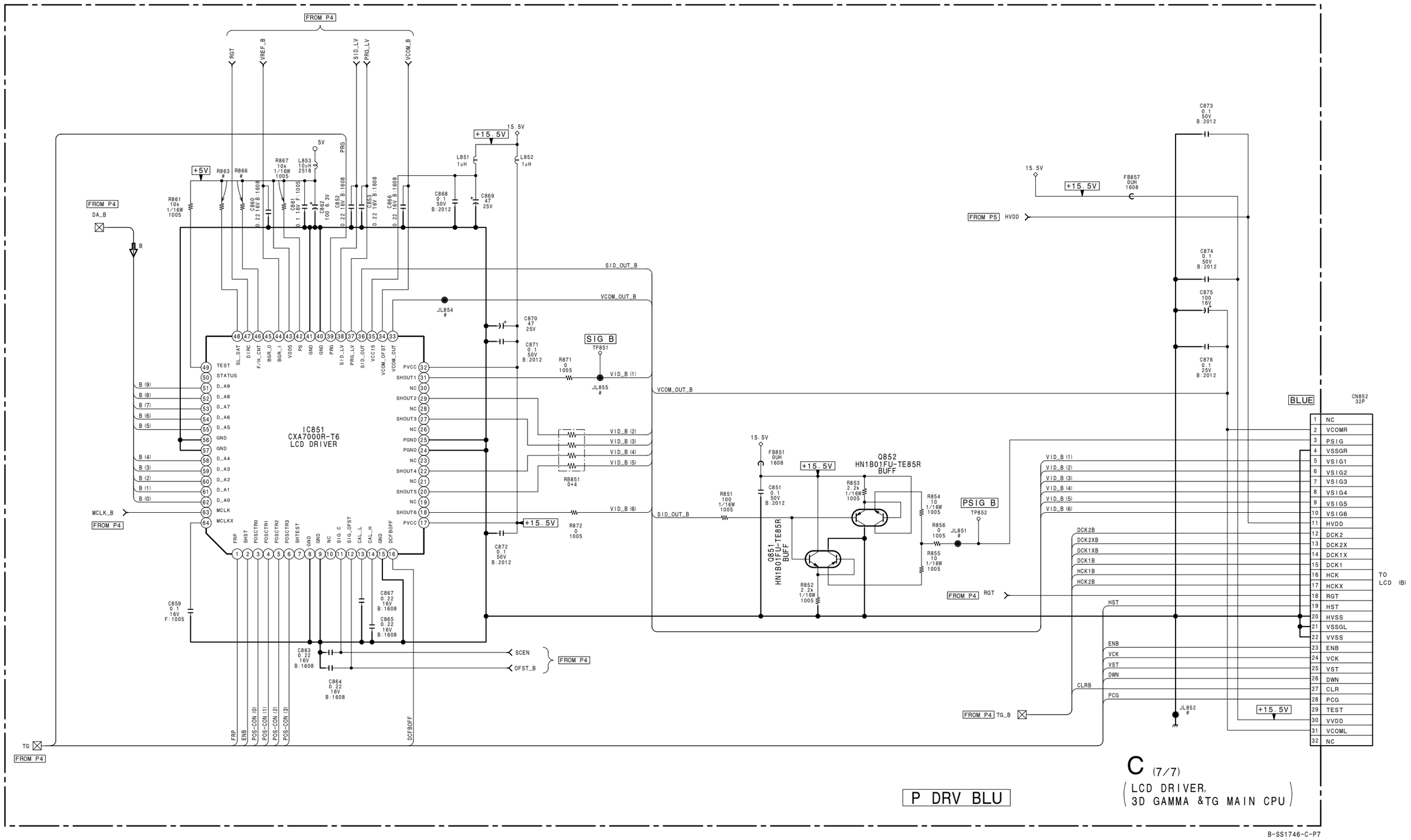
C (3/7)


FROM/TO P2
CPU
LAMP
CN606 5P
FLAG 1
GND 2
D+3.3V 3
SCI 4
HI/LOW 5
TO LAMP
CN607 4P
13 1
13 2
GND 3
GND 4
TO G BOARD CN710
Q614 2SA1576A-T106-QR SW
Q602 HN1C01FU-TE85R INV-BUFF
D601 BZA456A PROTECT
LAMP_COVER
LAMP_PROT
LAMP_ON
LAMP_POWER
FAN_PROT
IC606 BA00ASFP-E2 REG
D605 MA111-TX PROTECT
Q603 DTC144EUA-T106 INV-BUFF
IC607 BA00ASFP-E2 REG
D606 MA111-TX PROTECT
Q604 DTC144EUA-T106 INV-BUFF
IC604 BA00ASFP-E2 REG
D604 MA111-TX PROTECT
Q605 DTC144EUA-T106 INV-BUFF
IC605 BA00ASFP-E2 REG
D607 MA111-TX PROTECT
Q606 DTC144EUA-T106 INV-BUFF
IC610 BA00ASFP-E2 REG
D608 MA111-TX PROTECT
Q610 DTC144EUA-T106 INV-BUFF
Q613 HN1B01FU-TE85R INV-BUFF
Q611 HN1B01FU-TE85R INV-BUFF
Q612 HN1B01FU-TE85R INV-BUFF
Q607 DTC144EUA-T106 INV-BUFF
FCON1
FCON2
FCON3
FROM P2
FOR SCIROCCO (SMALL)
FAN1
PROT
GND
TO FAN1
FOR SCIROCCO (SMALL)
FAN2
TO FAN2
FOR LAMP1
FAN3
FAN4
TO FAN4
FOR LAMP2
FOR POWER SUPPLY BLOCK
FAN5
TO FAN5
CN601 12P
GND 1
KEY0 2
KEY3 3
COVER SW 4
SUB+3.3V 5
P_SAVE_LED 6
LAMP_LED 7
TEMP_LED 8
POWER_LED 9
D_3.3V 10
GND 11
D_5V 12
TO HB BOARD CN81
KEY (0)
KEY (1)
KEY (2)
KEY (3)
LAMP_COVER
POWER_SAVE_LED
LAMP_LED
TEMP_LED
POWER_LED
CN602 2P
FILT_COVER 1
GND 2
TO U BOARD CN41
CN603 4P
SUB+5 1
SIRCS-NR 2
GND 3
EXT_TEMP 4
TO NR BOARD CN021
CN605 11P
16.5 1
GND 2
6.4 3
GND 4
D3.3 5
D3.3 6
GND 7
GND 8
SUB5 9
GND 10
POWER_ON 11
TO G BOARD CN709
Q601 DTA144EUA-T106 SW
Q608 DTC144EUA-T106 SW
FROM P2 ILLUM
FROM P1 SIRCS_NF
EXT_TEMP
TO P2
NR_ON
NF_ON
IC601 IRMF-A0T-QTP SIRCS I/F
SIRCS
TO P1/P2
IC602 TA75W393FU-TE12R BUFF
IC612 TA75W393FU-TE12R BUFF
D600 MA111-TX
Q600 DTC144EUA-T106 INV-BUFF
IC600 BA05FP-E2 REG
IC603 ADXL202JE-REEL ACCELEROMETER
TILT_X
TILT_Y
POWER_PROT
FILT_COVER
POWER_ON
EMI
FL600
FL601
+16.5V
+13V
+6.4V
+5V
+3.3V
INTERFACE
C (3/7)
LCD DRIVER, 3D GAMMA &TG MAIN CPU
B-SS1746-C-P3

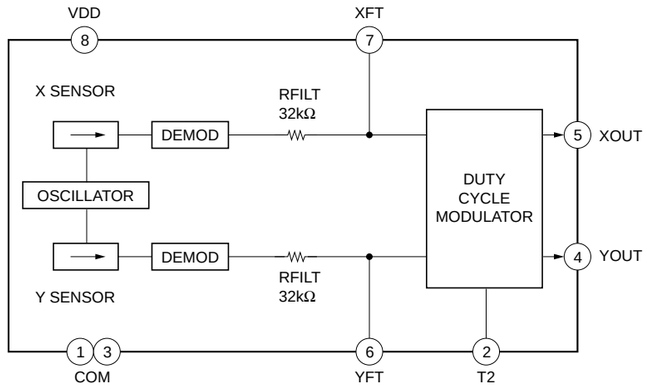

IC702 (1/4) CXD9607GB GAMMA&TG
IC702 (2/4) CXD9607GB GAMMA&TG
IC702 (3/4) CXD9607GB GAMMA&TG
IC702 (4/4) CXD9607GB GAMMA&TG
IC712 SN74AHCT541APWR BUFF
IC713 TC74VHCT540AFT (EL) INV-BUFF
IC711 TC74VHCT04AFT (EL) INV-BUFF
IC710 SN74AHCT541APWR BUFF
IC709 SN74AHCT541APWR BUFF
IC704 SN74LV08APWR BUFF
IC701 TC7WH125FK (TE85R) BUFF
IC703 TC7WH74FU (TE12R) RESET
IC705 S-80928ANMP -DDR-T2 RESET
IC706 M24C64-WMN6T (A) EEPROM
IC708 M62392FP DAC
Q701 HN1B01FU-TE85R
Q702 SSM6N15FU (TE85R) LV-SHIFT
Q703 DTC114EUA-T106
FROM P1
FROM P2
FROM/TO P1/P2
TO P2
TO P5
TO P6
TO P7
TO P5/P6/P7
DA_R
DA_G
DA_B
TG_R
TG_G
TG_B
MCLK_R
MCLK_G
MCLK_B
TG
TG_RESET
DCK1
DCK2
CLRG
3D_WRTSW
3D GAMMA AND TG
LUT
CN701 4P
3D GAMMA & TG
C (4/7)
LCD DRIVER, 3D GAMMA &TG MAIN CPU
B-SS1746-C-P4


FROM P4
RGT
VREF_R
SID_LV
PRG_LV
VCOM_R
+5V
+15.5V
15.5V
5V
PRG
DA_R
FROM P4
SID_OUT_R
VCOM_OUT_R
IC751
CXA7000R-T6
LCD DRIVER
SL_DAT
D.IRC
F.H_CNT
BGR_O
BGR_I
VDD5
PS
GND
PRG
SID_LV
PRG_LV
SID_OUT
VCI5
VCOM_OFST
VCOM_OUT
TEST
STATUS
D_A9
D_A8
D_A7
D_A6
D_A5
D_A4
D_A3
D_A2
D_A1
D_A0
MCLK
MCLKX
PVCC
SHOUT1
NC
SHOUT2
SHOUT3
PGND
SHOUT4
SHOUT5
SHOUT6
FRP
SHST
POSCTR0
POSCTR1
POSCTR2
POSCTR3
SHTEST
SIG.C
SIG.OFST
CAL_L
CAL_H
DCFBOFF
SIG R
TP751
VID_R (1)
VID_R (2)
VID_R (3)
VID_R (4)
VID_R (5)
VID_R (6)
RB751
0×4
MCLK_R
FROM P4
TG
SCEN
OFST_R
ENB
POS-CON (0)
POS-CON (1)
POS-CON (2)
POS-CON (3)
IC753
TK11900MTL
13.5V REG
BP
SD
FB
VIN
GND
VD
13.5V
TP754
GND
TP753
HVDD
TO P6/P7
IC770
PQ20VZ1U
REG
I
ON/OFF
O
ADJ
G
REG_ON
16.5V
+16.5V
Q751
HN1B01FU-TE85R
BUFF
Q752
HN1B01FU-TE85R
BUFF
PSIG R
TP752
DCK2R
DCK2XR
DCK1XR
DCK1R
HCK1R
HCK2R
HST
CLRR
PCG
VCK
VST
DWN
FROM P4 TG_R
RED
CN752
32P
TO
LCD (R)
NC
VCOMR
PSIG
VSSGR
VSIG1
VSIG2
VSIG3
VSIG4
VSIG5
VSIG6
HVDD
DCK2
DCK2X
DCK1X
DCK1
HCK
HCKX
RGT
HST
HVSS
VSSGL
VVSS
ENB
VCK
VST
DWN
CLR
PCG
TEST
VVDD
VCOML
NC
C (5/7)
LCD DRIVER,
3D GAMMA &TG MAIN CPU
B-SS1746-C-P5

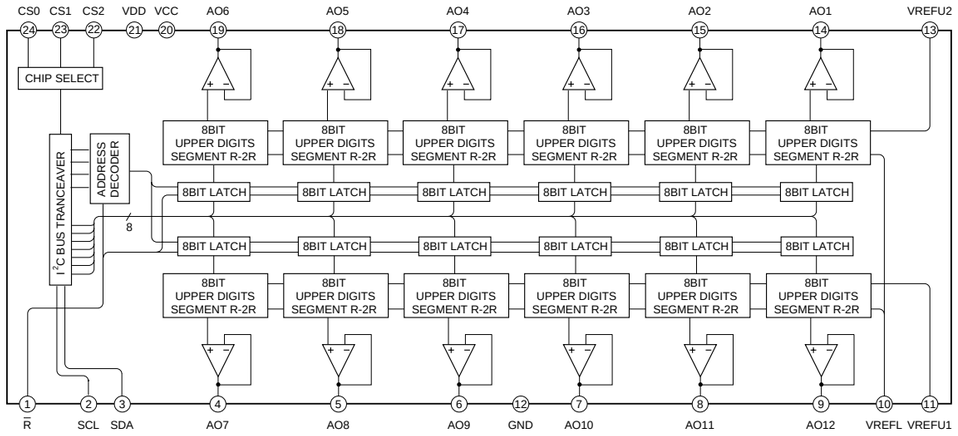

FROM P4
RGT
VREF_G
SID_LV
PRG_LV
VCOM_G
5V
PRG
+5V
+15.5V
15.5V
L801 1µH
L802 1µH
L803 10µH 2518
R811 10k 1/16W 1005
R815 #
R816 #
R817 10k 1/16W 1005
C810 0.22 16V B:1608
C811 0.1 16V F:1005
C812 100 6.3V
C802 0.22 16V B:1608
C803 0.22 16V B:1608
C816 0.22 16V B:1608
C818 0.1 50V B:2012
C819 47 25V
DA_G
G
SID_OUT_G
VCOM_OUT_G
JL804 #
C820 47 25V
C821 0.1 50V B:2012
SIG G
TP801
R821 0 1005
VID_G (1)
JL802 #
IC801
CXA7000R-T6
LCD DRIVER
TEST
STATUS
D_A9
D_A8
D_A7
D_A6
D_A5
GND
GND
D_A4
D_A3
D_A2
D_A1
D_A0
MCLK
MCLKX
SL_DAT
DIRC
F/H_CNT
BGR_O
BGR_I
VDD5
PS
GND
GND
PRG
SIO_LV
PRG_LV
SIO_OUT
VCC15
VCOM_OFST
VCOM_OUT
PVCC
SHOUT1
NC
SHOUT2
NC
SHOUT3
NC
PGND
PGND
NC
SHOUT4
NC
SHOUT5
NC
SHOUT6
PVCC
VID_G (2)
VID_G (3)
VID_G (4)
VID_G (5)
VID_G (6)
RB801 0×4
R822 0 1005
+15.5V
C822 0.1 50V B:2012
MCLK_G
FROM P4
FRP
SHST
POSCTR0
POSCTR1
POSCTR2
POSCTR3
SHTEST
GND
GND
NC
SIG_C
SIG_OFST
CAL_L
CAL_H
GND
DCFBOFF
C809 0.1 16V F:1005
C817 0.22 16V B:1608
C815 0.22 16V B:1608
C813 0.22 16V B:1608
C814 0.22 16V B:1608
SCEN
OFST_G
FROM P4
LFRP
ENB
POS-CON (0)
POS-CON (1)
POS-CON (2)
POS-CON (3)
DCFBOFF
TG
FROM P4
FROM P5 HVDD
15.5V
+15.5V
FB807 0UH 1608
C823 0.1 50V B:2012
C824 0.1 50V B:2012
C825 100 16V
C826 0.1 25V B:2012
VCOM_OUT_G
GREEN
CN802 32P
1 NC
2 VCOMR
3 PSIG
4 VSSGR
5 VSIG1
6 VSIG2
7 VSIG3
8 VSIG4
9 VSIG5
10 VSIG6
11 HVDD
12 DCK2
13 DCK2X
14 DCK1X
15 DCK1
16 HCK
17 HCKX
18 RGT
19 HST
20 HVSS
21 VSSGL
22 VVSS
23 ENB
24 VCK
25 VST
26 DWN
27 CLR
28 PCG
29 TEST
30 VVDD
31 VCOML
32 NC
TO LCD (G)
15.5V
FB801 0UH 1608
+15.5V
C801 0.1 50V B:2012
Q801 HN1B01FU-TE85R BUFF
Q802 HN1B01FU-TE85R BUFF
R803 2.2k 1/16W 1005
R804 10 1/16W 1005
R806 0 1005
R805 10 1/16W 1005
R802 2.2k 1/16W 1005
R801 100 1/16W 1005
PSIG G
TP802
JL801 #
VID_G (1)
VID_G (2)
VID_G (3)
VID_G (4)
VID_G (5)
VID_G (6)
DCK2G
DCK2XG
DCK1XG
DCK1G
HCK1G
HCK2G
FROM P4 RGT
HST
ENB
VCK
VST
DWNX
CLRG
PCG
FROM P4 TG_G
JL803 #
+15.5V
C (6/7)
LCD DRIVER, 3D GAMMA &TG MAIN CPU
P DRV GRN
B-SS1746-C-P6


FROM P4
RGT
VREF_B
SID_LV
PRG_LV
VCOM_B
+5V
5V
PRG
15.5V
+15.5V
L851 1µH
L852 1µH
R861 10k 1/16W 1005
R863 #
R866 #
R867 10k 1/16W 1005
L853 10µH 2518
C860 0.22 16V B:1608
C861 0.1 16V F:1005
C862 100 6.3V
C852 0.22 16V B:1608
C853 0.22 16V B:1608
C866 0.22 16V B:1608
C868 0.1 50V B:2012
C869 47 25V
FROM P4
DA_B
B
SID_OUT_B
VCOM_OUT_B
JL854 #
C870 47 25V
C871 0.1 50V B:2012
SIG B
TP851
R871 0 1005
VID_B (1)
JL855 #
IC851
CXA7000R-T6
LCD DRIVER
TEST
STATUS
D_A9
D_A8
D_A7
D_A6
D_A5
GND
GND
D_A4
D_A3
D_A2
D_A1
D_A0
MCLK
MCLKX
SL_DAT
DIRC
F/H_CNT
BGR_O
BGR_I
VDD5
PS
GND
GND
PRG
SID_LV
PRG_LV
SID_OUT
VCC15
VCOM_OFST
VCOM_OUT
PVCC
SHOUT1
NC
SHOUT2
NC
SHOUT3
NC
PGND
PGND
NC
SHOUT4
NC
SHOUT5
NC
SHOUT6
PVCC
VID_B (2)
VID_B (3)
VID_B (4)
VID_B (5)
VID_B (6)
RB851 0×4
R872 0 1005
C872 0.1 50V B:2012
MCLK_B
FROM P4
FRP
SHST
POSCTR0
POSCTR1
POSCTR2
POSCTR3
SHTEST
GND
GND
NC
SIG_C
SIG_OFST
CAL_L
CAL_H
GND
DCFBOFF
C859 0.1 16V F:1005
C867 0.22 16V B:1608
C865 0.22 16V B:1608
C863 0.22 16V B:1608
C864 0.22 16V B:1608
SCEN
OFST_B
FROM P4
FRP
ENB
POS-CON (0)
POS-CON (1)
POS-CON (2)
POS-CON (3)
DCFBOFF
TG
FROM P4
15.5V
+15.5V
FB851 0UH 1608
C851 0.1 50V B:2012
R851 100 1/16W 1005
Q851 HN1B01FU-TE85R BUFF
R853 2.2k 1/16W 1005
R852 2.2k 1/16W 1005
Q852 HN1B01FU-TE85R BUFF
R854 10 1/16W 1005
R856 0 1005
R855 10 1/16W 1005
JL851 #
PSIG B
TP852
FROM P4
RGT
HST
ENB
VCK
VST
DWN
CLRB
PCG
FROM P4
TG_B
JL852 #
+15.5V
C873 0.1 50V B:2012
15.5V
+15.5V
FB857 0UH 1608
FROM P5
HVDD
C874 0.1 50V B:2012
C875 100 16V
C876 0.1 25V B:2012
VCOM_OUT_B
BLUE
CN852 32P
1 NC
2 VCOMR
3 PSIG
4 VSSGR
5 VSIG1
6 VSIG2
7 VSIG3
8 VSIG4
9 VSIG5
10 VSIG6
11 HVDD
12 DCK2
13 DCK2X
14 DCK1X
15 DCK1
16 HCK
17 HCKX
18 RGT
19 HST
20 HVSS
21 VSSGL
22 VVSS
23 ENB
24 VCK
25 VST
26 DWN
27 CLR
28 PCG
29 TEST
30 VVDD
31 VCOML
32 NC
TO LCD (B)
VID_B (1)
VID_B (2)
VID_B (3)
VID_B (4)
VID_B (5)
VID_B (6)
DCK2B
DCK2XB
DCK1XB
DCK1B
HCK1B
HCK2B
C (7/7)
LCD DRIVER, 3D GAMMA &TG MAIN CPU
P DRV BLU
B-SS1746-C-P7

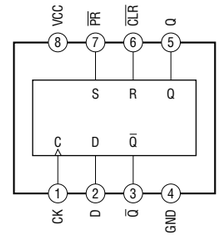
ADXL202JE-REEL (IC603)



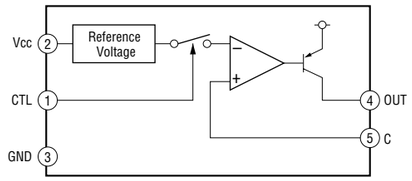
M62392FP (IC708)


CS0 CS1 CS2 VDD VCC AO6 AO5 AO4 AO3 AO2 AO1 VREFU2
24 23 22 21 20 19 18 17 16 15 14 13
CHIP SELECT
I²C BUS TRANCEAVER
ADDRESS DECODER
8BIT UPPER DIGITS SEGMENT R-2R
8BIT LATCH
8
1 2 3 4 5 6 12 7 8 9 10 11
R SCL SDA AO7 AO8 AO9 GND AO10 AO11 AO12 VREFL VREFU1

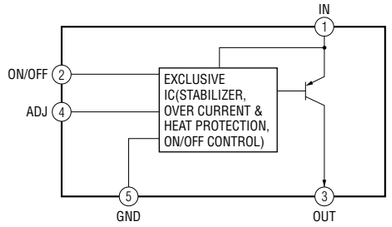
TC7WH74FU (TE12R) (IC703)



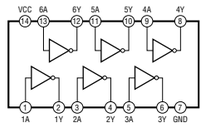
BA00ASFP-E2 (IC604-607, 610)



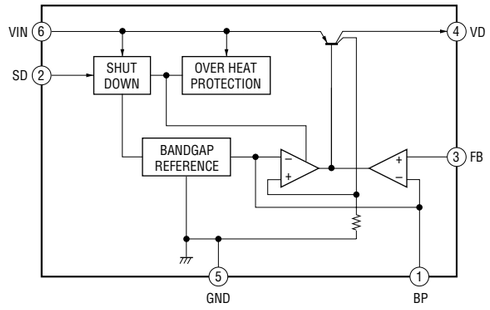
PQ20VZ1U (IC770)



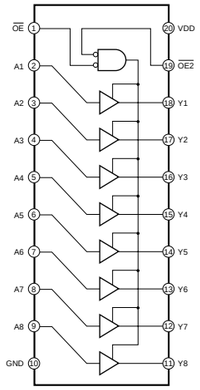
SN74LV08APWR (IC704)
TC74VHCT04AFT (EL) (IC711, 713)



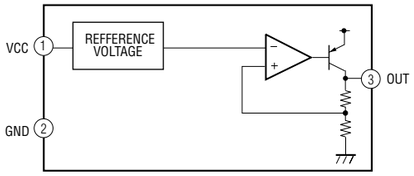
TK11900MTL (IC753)



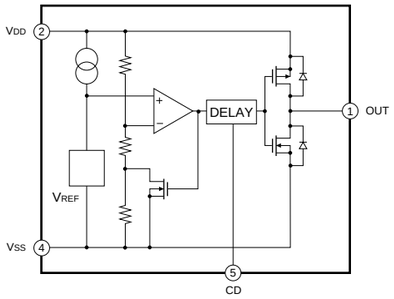
SN74AHCT541PWR (IC709, 710, 712)

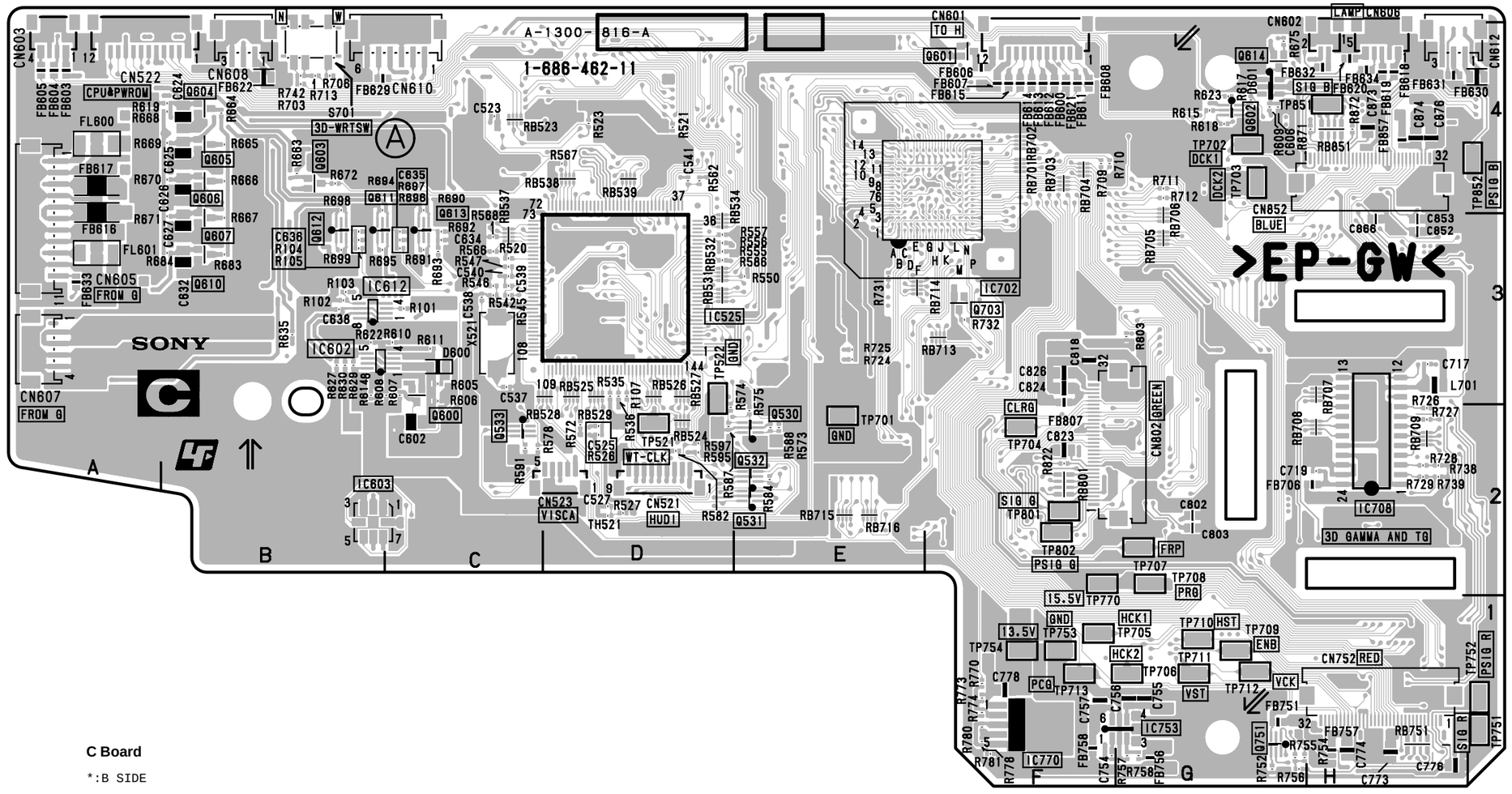


BA033FP-E2 (IC521)
BA05FP-E2 (IC600)



S-80928ANMP-DDR-T12 (IC526, 705)



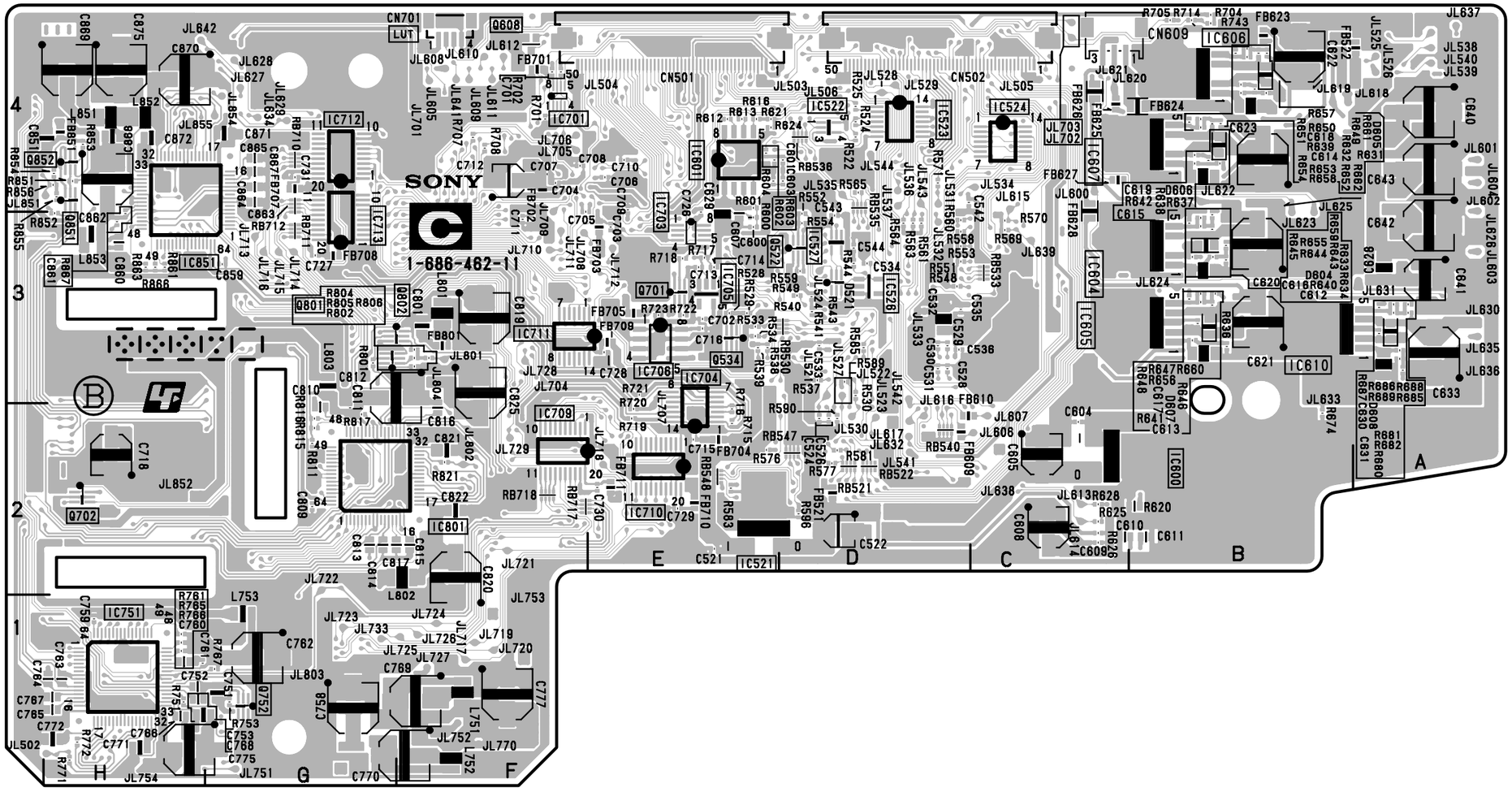


C Board

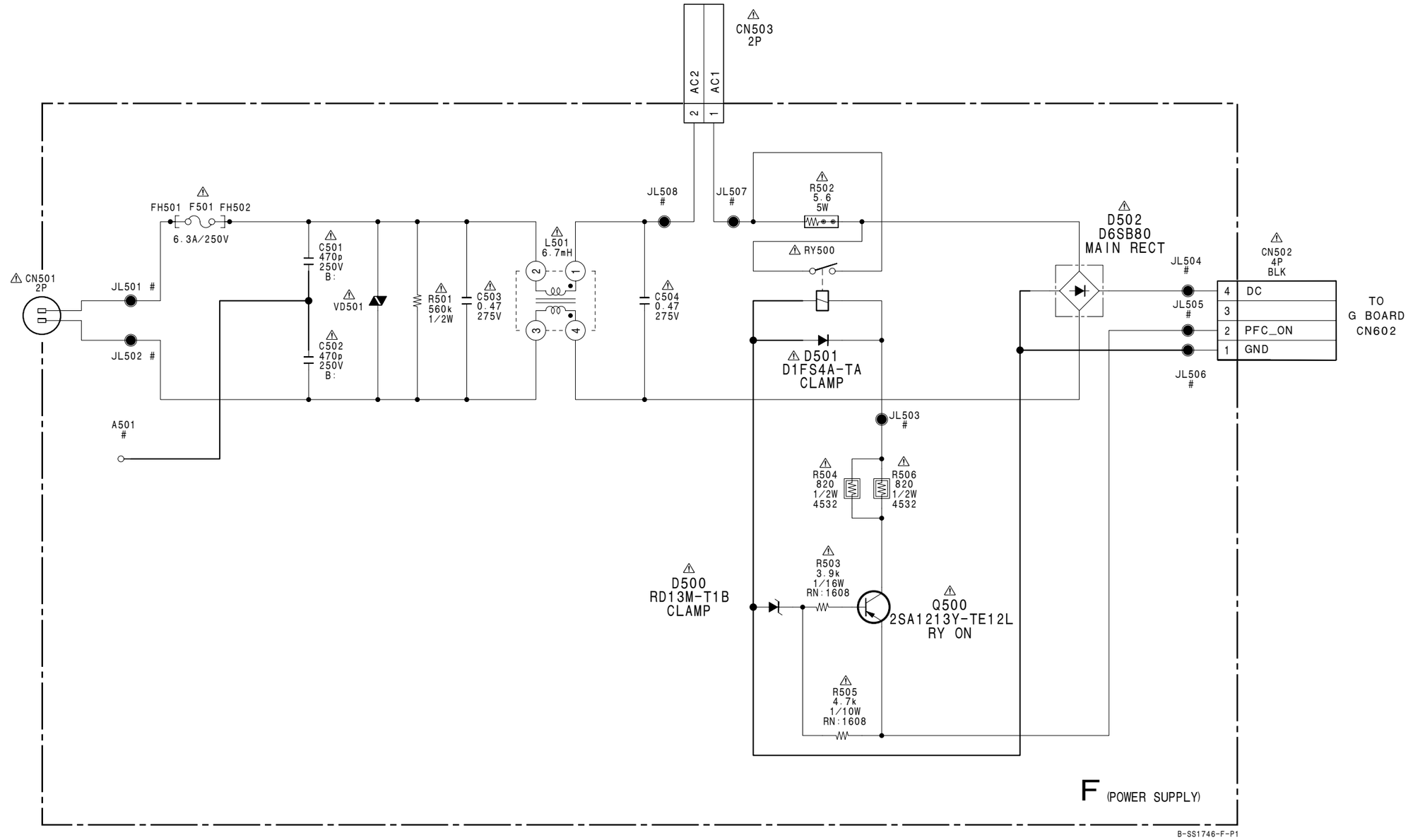
*:B SIDE

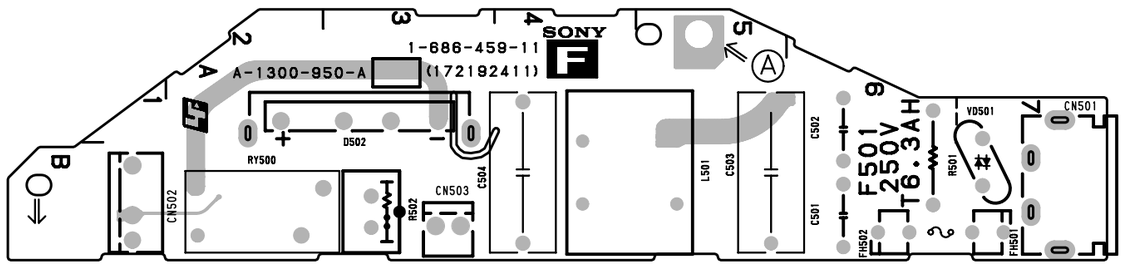
D521	*D-3	IC709	*F-2	Q703	F-3		
D600	C-3	IC710	*E-2	Q751	G-1		
D601	G-4	IC711	*F-3	Q752	*G-1		
D604	*B-3	IC712	*G-4	Q801	*G-3		
D605	*B-3	IC713	*G-3	Q802	*F-3		
D606	*B-4	IC751	*H-1	Q851	*H-3		
D607	*B-3	IC753	G-1	Q852	*H-4		
D608	*A-3	IC770	F-1				
		IC801	*G-2	TP521	D-2		
IC521	*E-2	IC851	*H-4	TP522	D-2		
IC522	*D-4			TP701	E-2		
IC523	*D-4	Q522	*E-3	TP702	G-4		
IC524	*C-4	Q530	E-2	TP703	G-4		
IC525	D-3	Q531	E-2	TP704	F-2		
IC526	*D-3	Q532	E-2	TP705	F-1		
IC527	*D-3	Q533	C-2	TP706	G-1		
IC600	*B-2	Q534	*E-3	TP707	G-2		
IC601	*E-4	Q600	C-2	TP708	G-2		
IC602	B-3	Q601	F-4	TP709	G-1		
IC603	B-2	Q602	G-4	TP710	G-1		
IC604	*C-3	Q603	B-4	TP711	G-1		
IC605	*C-3	Q604	B-4	TP712	G-1		
IC606	*B-4	Q605	B-4	TP713	F-1		
IC607	*C-4	Q606	B-3	TP751	H-1		
IC610	*B-3	Q607	B-3	TP752	H-1		
IC612	B-3	Q608	*F-4	TP753	F-1		
IC701	*F-4	Q610	B-3	TP754	F-1		
IC702	F-4	Q611	B-2	TP770	F-2		
IC703	*E-3	Q612	B-3	TP801	F-2		
IC704	*E-2	Q613	C-3	TP802	F-2		
IC705	*E-3	Q614	G-4	TP851	H-1		
IC706	*E-3	Q701	*E-3	TP852	H-1		
IC708	H-2	Q702	*H-2				

C -A SIDE-
SUFFIX: -11

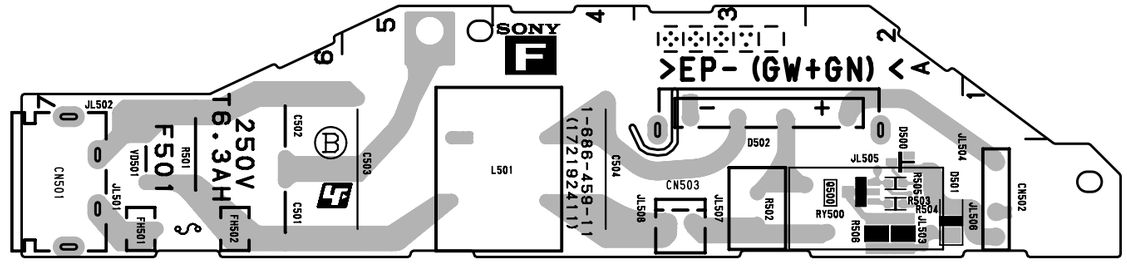


C -B SIDE-
SUFFIX: -11

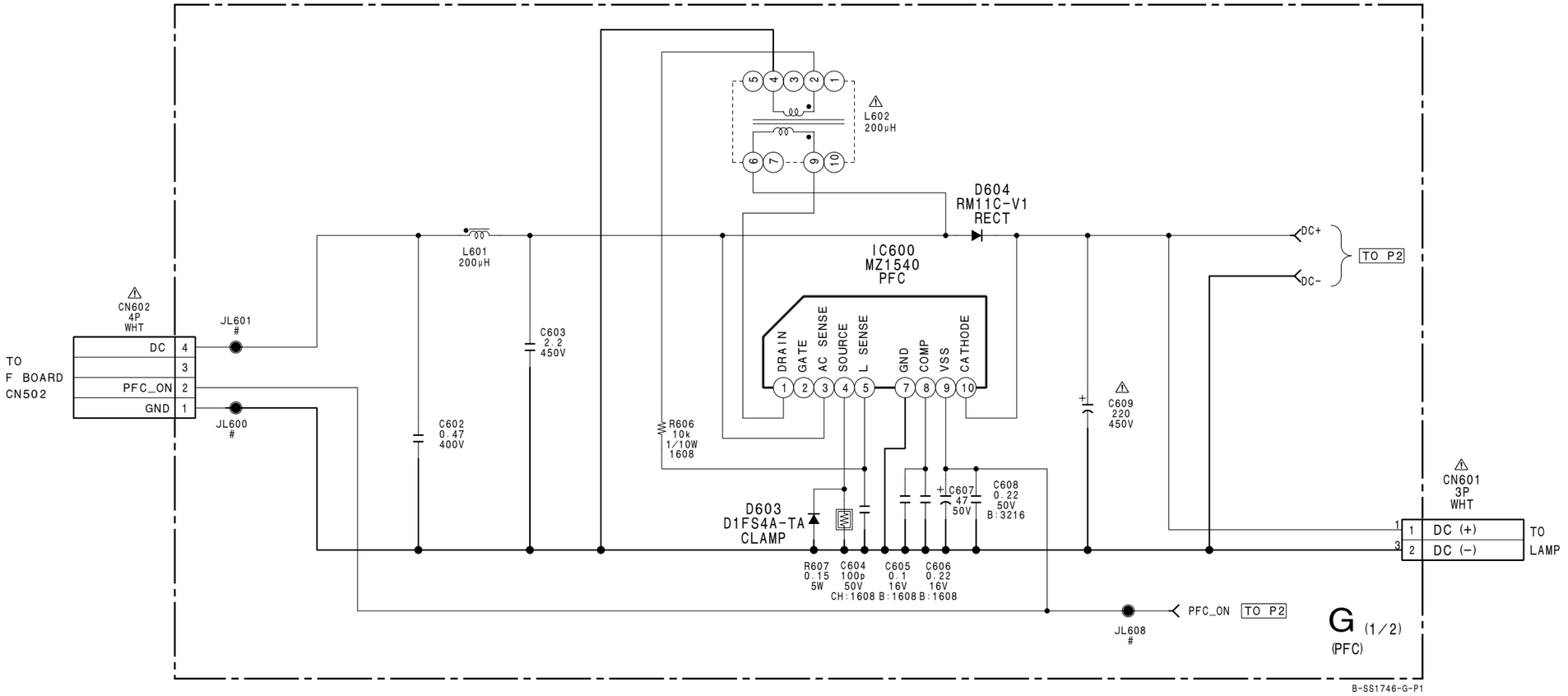

CN503
2P
AC2
AC1
2
1
FH501 F501 FH502
6.3A/250V
CN501
2P
JL501 #
JL502 #
A501
#
C501
470p
250V
B:
C502
470p
250V
B:
VD501
R501
560k
1/2W
C503
0.47
275V
L501
6.7mH
C504
0.47
275V
JL508
#
JL507
#
R502
5.6
5W
RY500
D501
D1FS4A-TA
CLAMP
D502
D6SB80
MAIN RECT
JL504
#
JL505
#
JL506
#
CN502
4P
BLK
4 DC
3
2 PFC_ON
1 GND
TO
G BOARD
CN602
JL503
#
R504
820
1/2W
4532
R506
820
1/2W
4532
R503
3.9k
1/16W
RN:1608
D500
RD13M-T1B
CLAMP
Q500
2SA1213Y-TE12L
RY ON
R505
4.7k
1/10W
RN:1608
F (POWER SUPPLY)
B-SS1746-F-P1



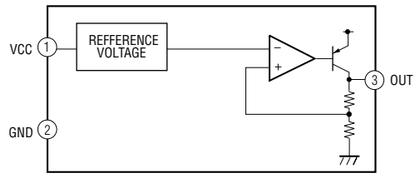
F -A SIDE-
SUFFIX: -11



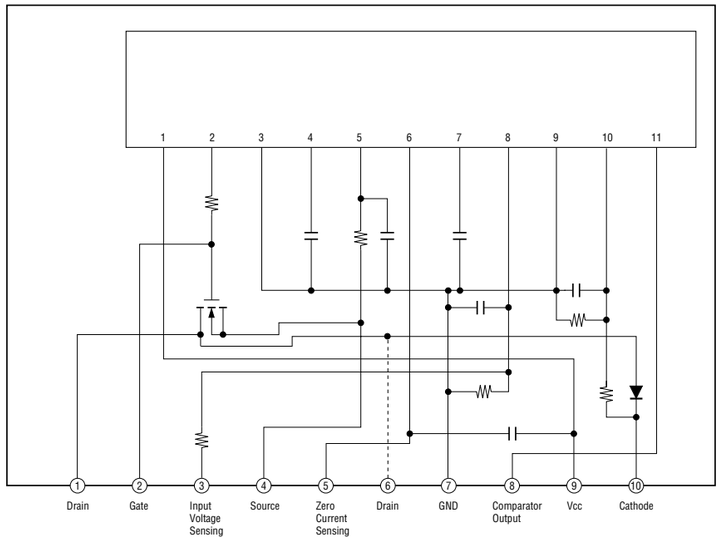
F -B SIDE-
SUFFIX: -11



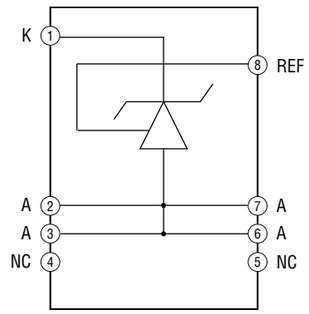
BA05FP-E2 (IC724)

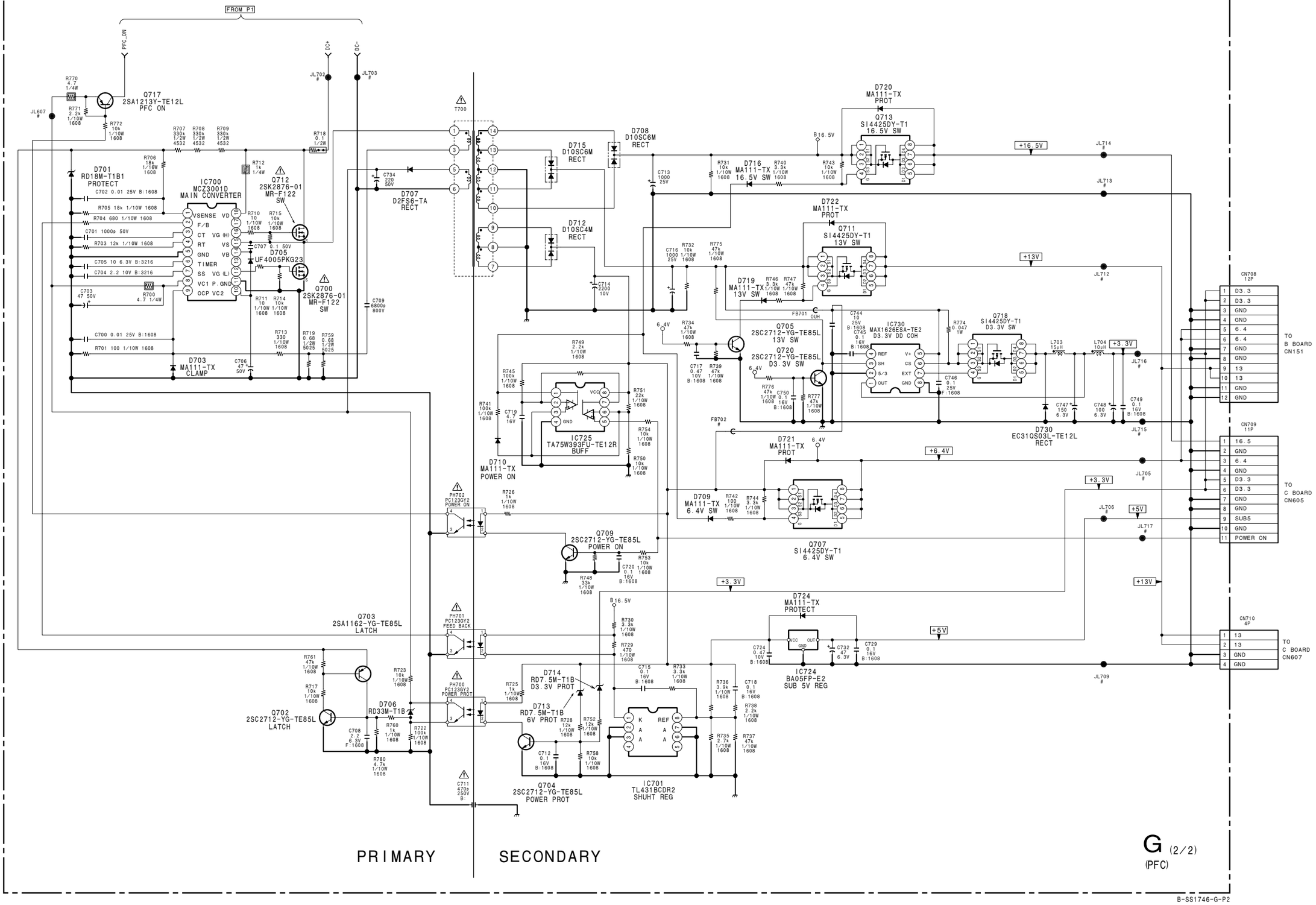


MZ1540 (IC600)

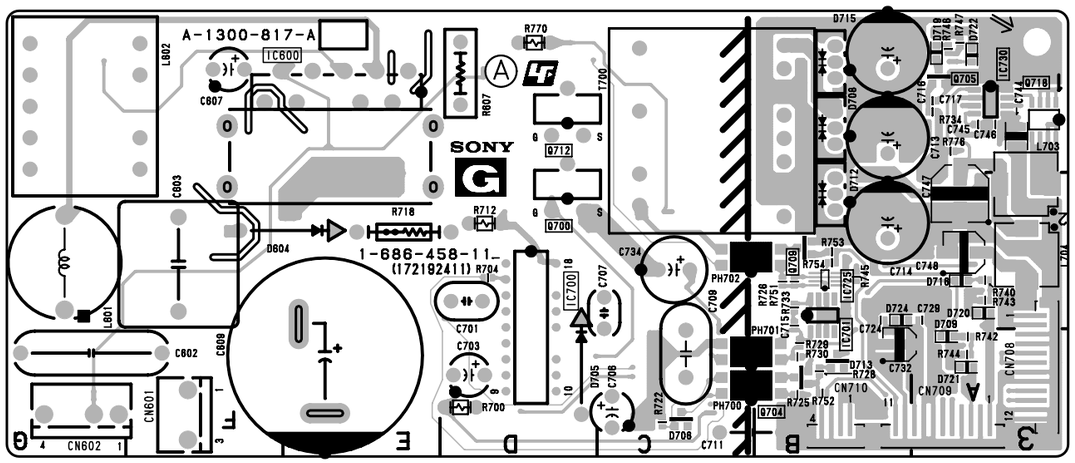


TL431BCDR2 (IC701)

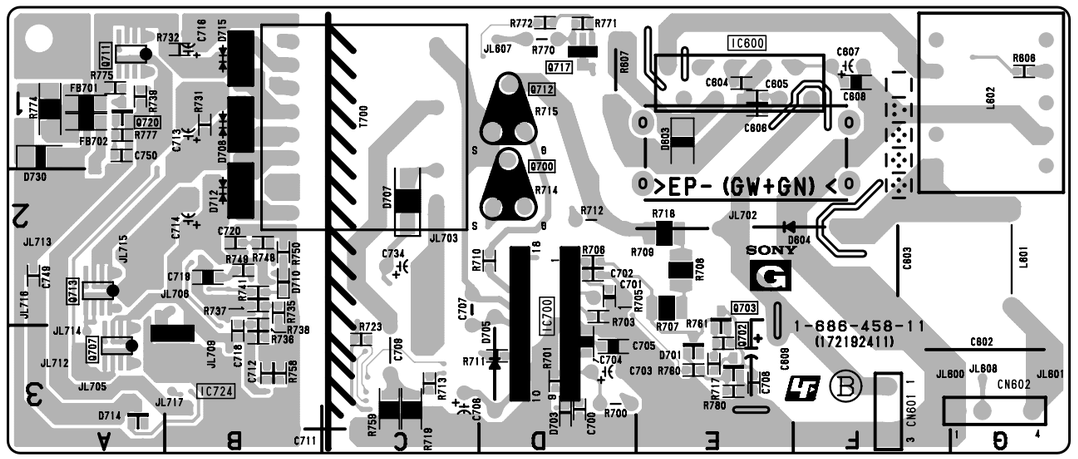



FROM P1
PFC_ON
+DC
-DC
JL607
JL702
JL703
Q717
2SA1213Y-TE12L
PFC ON
IC700
MCZ3001D
MAIN CONVERTER
D701
RD18M-T1B1
PROTECT
Q712
2SK2876-01
MR-F122
SW
Q700
2SK2876-01
MR-F122
SW
D705
UF4005PKG23
D703
MA111-TX
CLAMP
T700
D707
D2FS6-TA
RECT
D708
D10SC6M
RECT
D715
D10SC6M
RECT
D712
D10SC4M
RECT
D720
MA111-TX
PROT
Q713
SI4425DY-T1
16.5V SW
D716
MA111-TX
16.5V SW
D722
MA111-TX
PROT
Q711
SI4425DY-T1
13V SW
D719
MA111-TX
13V SW
Q705
2SC2712-YG-TE85L
13V SW
Q720
2SC2712-YG-TE85L
D3.3V SW
IC730
MAX1626ESA-TE2
D3.3V DD COH
Q718
SI4425DY-T1
D3.3V SW
D730
EC31QS03L-TE12L
RECT
D721
MA111-TX
PROT
D709
MA111-TX
6.4V SW
Q707
SI4425DY-T1
6.4V SW
IC725
TA75W393FU-TE12R
BUFF
D710
MA111-TX
POWER ON
Q709
2SC2712-YG-TE85L
POWER ON
PH702
PC123GY2
POWER ON
PH701
PC123GY2
FEED BACK
PH700
PC123GY2
POWER PROT
Q703
2SA1162-YG-TE85L
LATCH
Q702
2SC2712-YG-TE85L
LATCH
D706
RD33M-T1B
D714
RD7.5M-T1B
D3.3V PROT
D713
RD7.5M-T1B
6V PROT
Q704
2SC2712-YG-TE85L
POWER PROT
IC701
TL431BCDR2
SHUHT REG
D724
MA111-TX
PROTECT
IC724
BA05FP-E2
SUB 5V REG
+16.5V
+13V
+6.4V
+3.3V
+5V
CN708
12P
CN709
11P
CN710
4P
TO
B BOARD
CN151
TO
C BOARD
CN605
TO
C BOARD
CN607
PRIMARY
SECONDARY
G (2/2)
(PFC)

B-SS1746-G-P2



G -A SIDE-
SUFFIX: -11

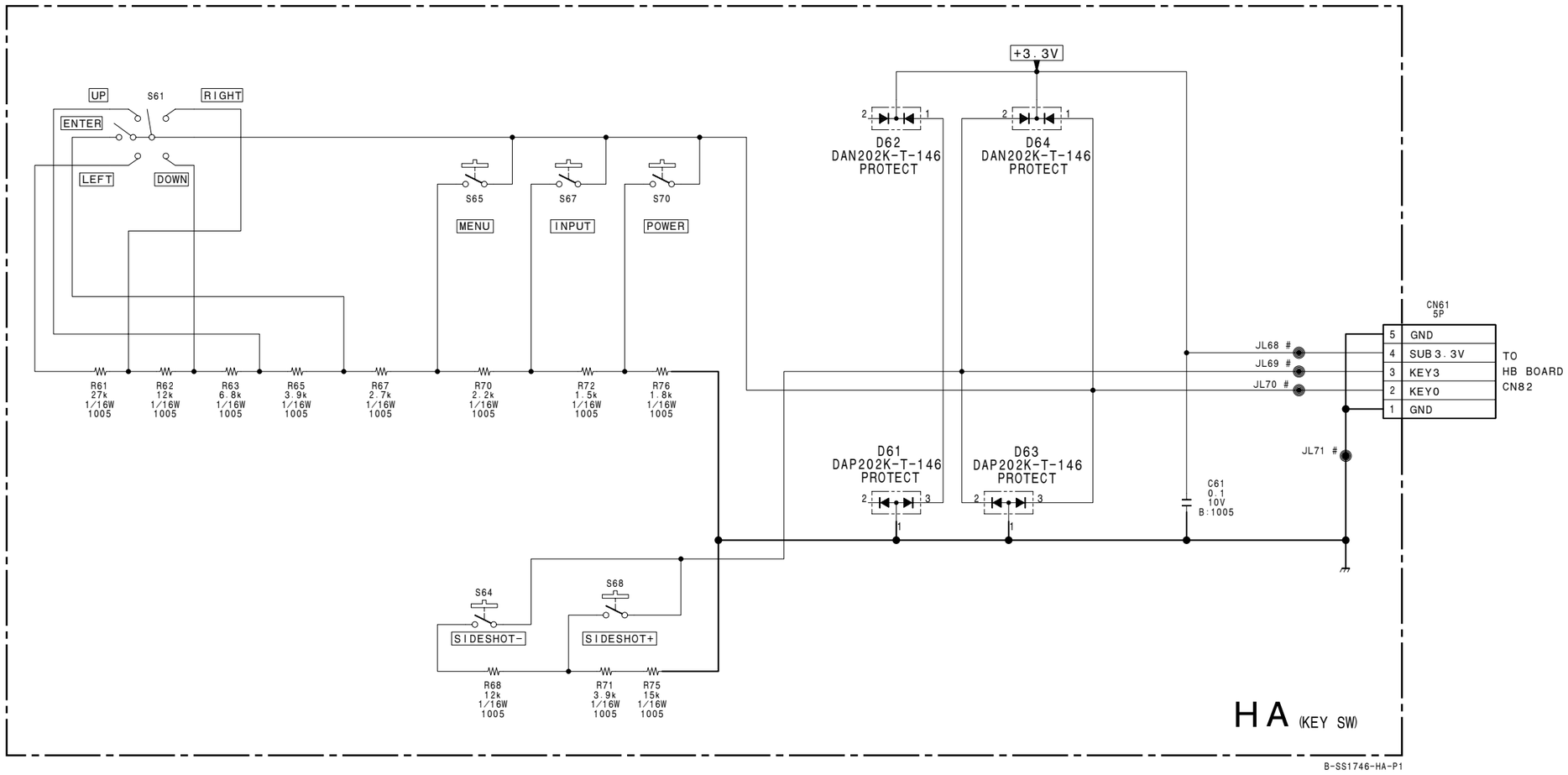


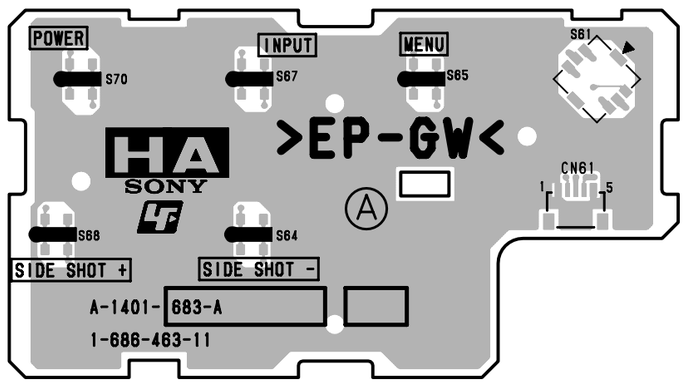
G -B SIDE-
SUFFIX: -11

G Board

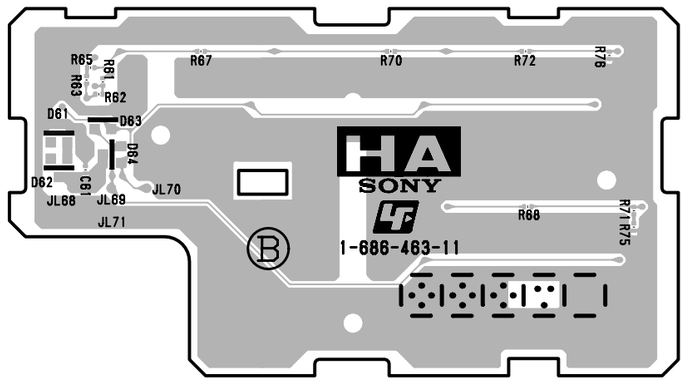
*:B SIDE

D603	*E-1
D604	E-2
D701	*E-3
D703	*D-3
D705	D-3
D706	C-3
D707	*C-2
D708	B-1
D709	A-3
D710	*B-2
D712	B-2
D713	B-3
D714	*A-3
D715	B-1
D716	A-2
D719	A-1
D720	A-2
D721	A-3
D722	A-1
D724	B-2
D730	*A-1
IC600	E-1
IC700	D-2
IC701	B-2
IC724	*B-3
IC725	B-2
IC730	A-1
Q700	D-2
Q702	*E-3
Q703	*E-2
Q704	B-3
Q705	A-1
Q707	*A-3
Q709	B-2
Q711	*A-1
Q712	D-1
Q713	*A-2
Q717	*D-1
Q718	A-1
Q720	*A-1

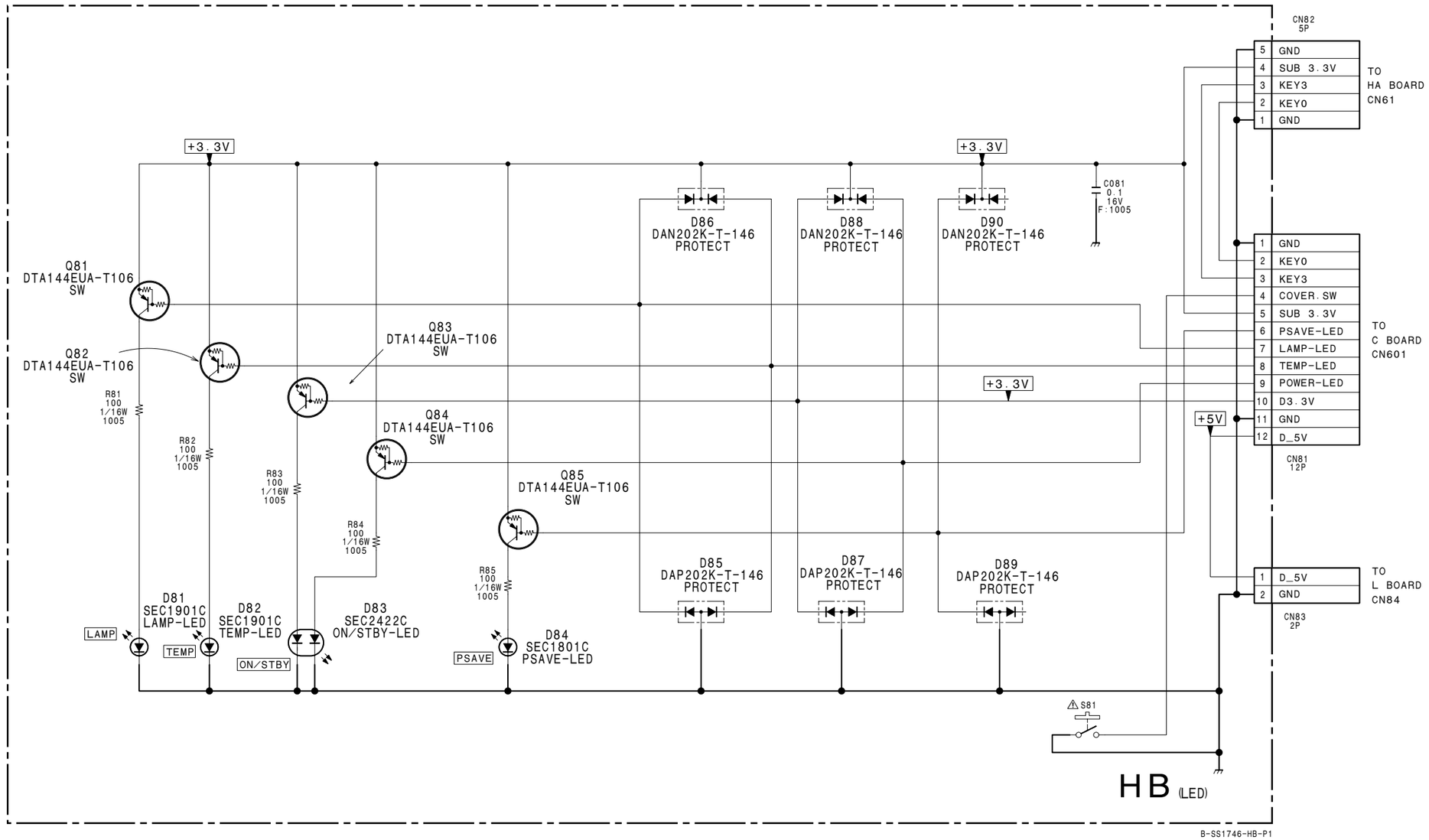


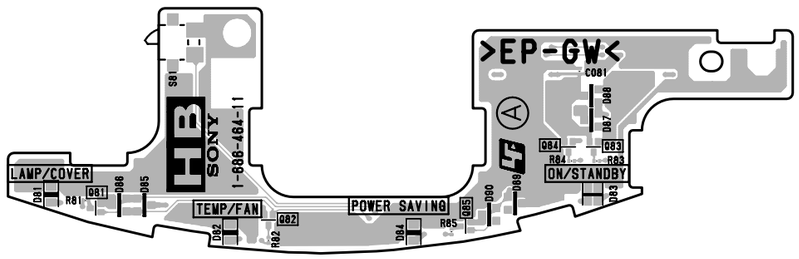


HA -A SIDE-
SUFFIX: -11

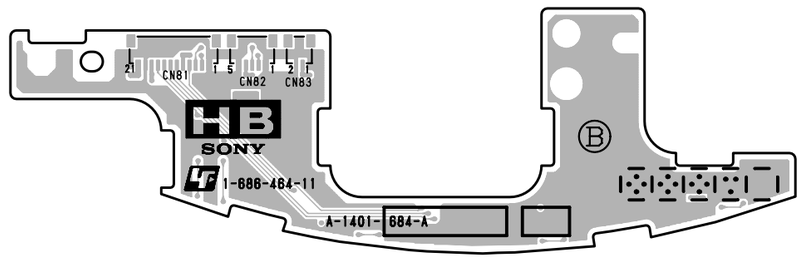


HA -B SIDE-
SUFFIX: -11

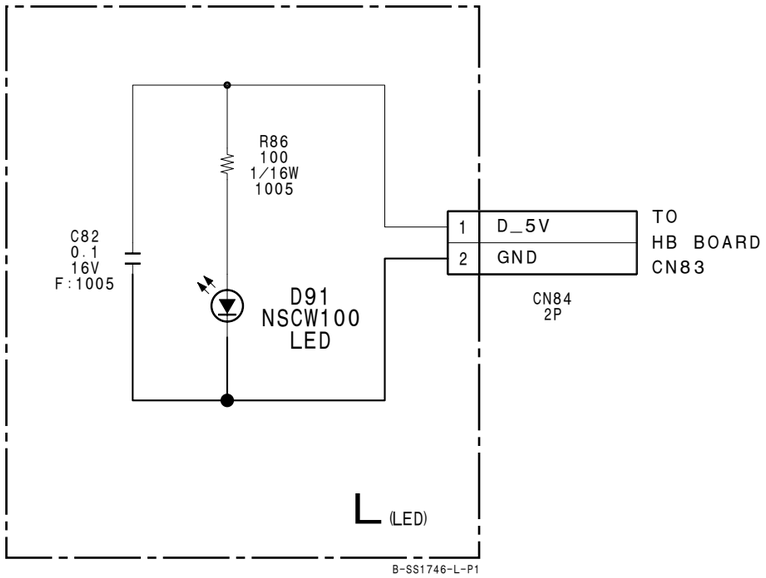


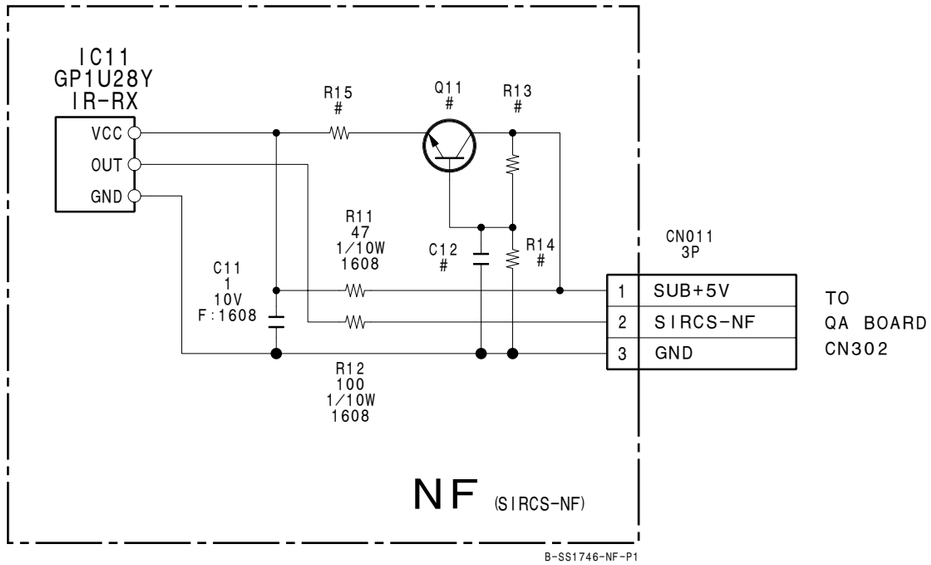


HB -A SIDE-
SUFFIX: -11



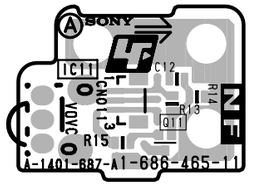
HB -B SIDE-
SUFFIX: -11



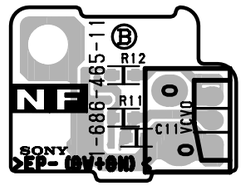


L -A SIDE-
SUFFIX: -11

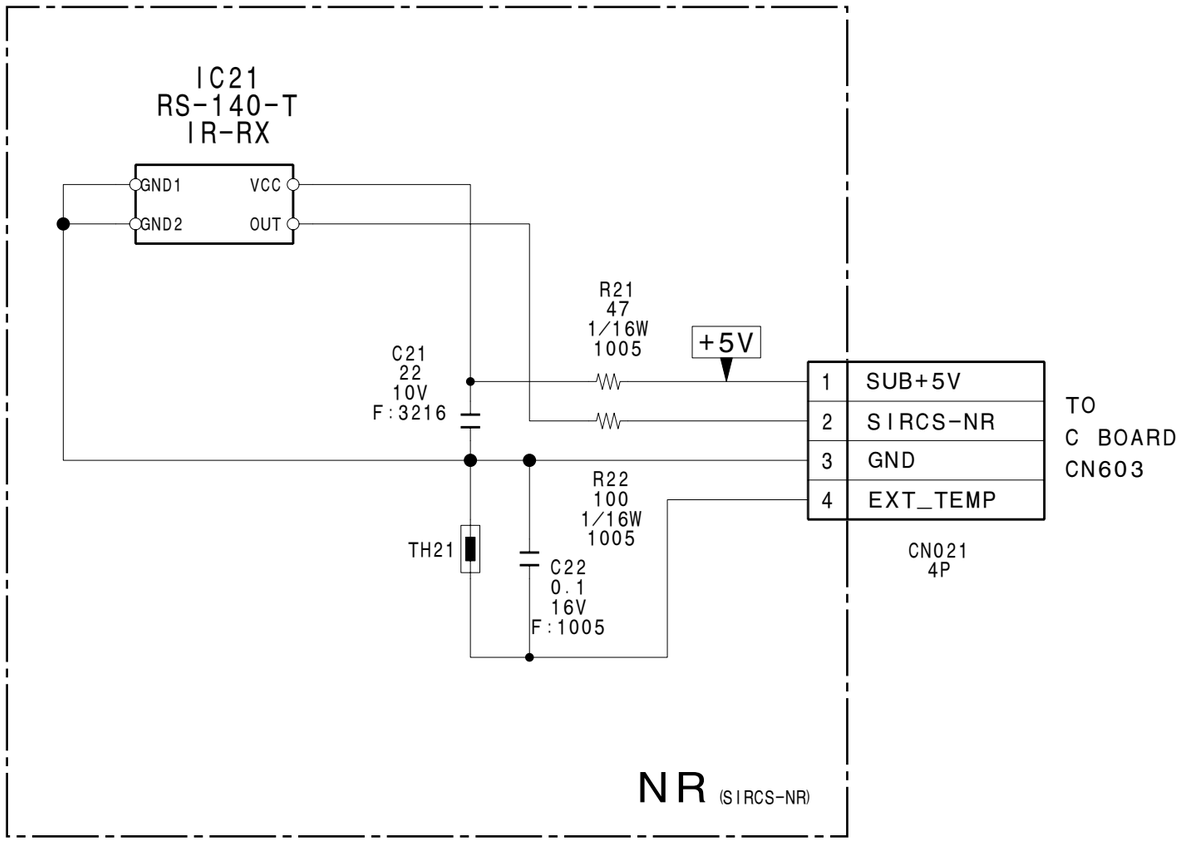
L -B SIDE-
SUFFIX: -11

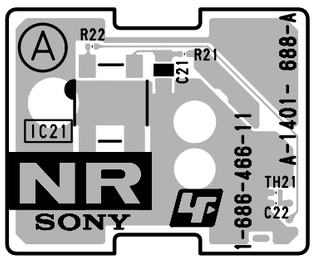


NF -A SIDE-
SUFFIX: -11

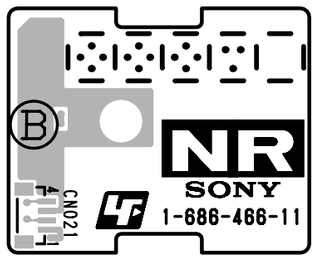


NF -B SIDE-
SUFFIX: -11

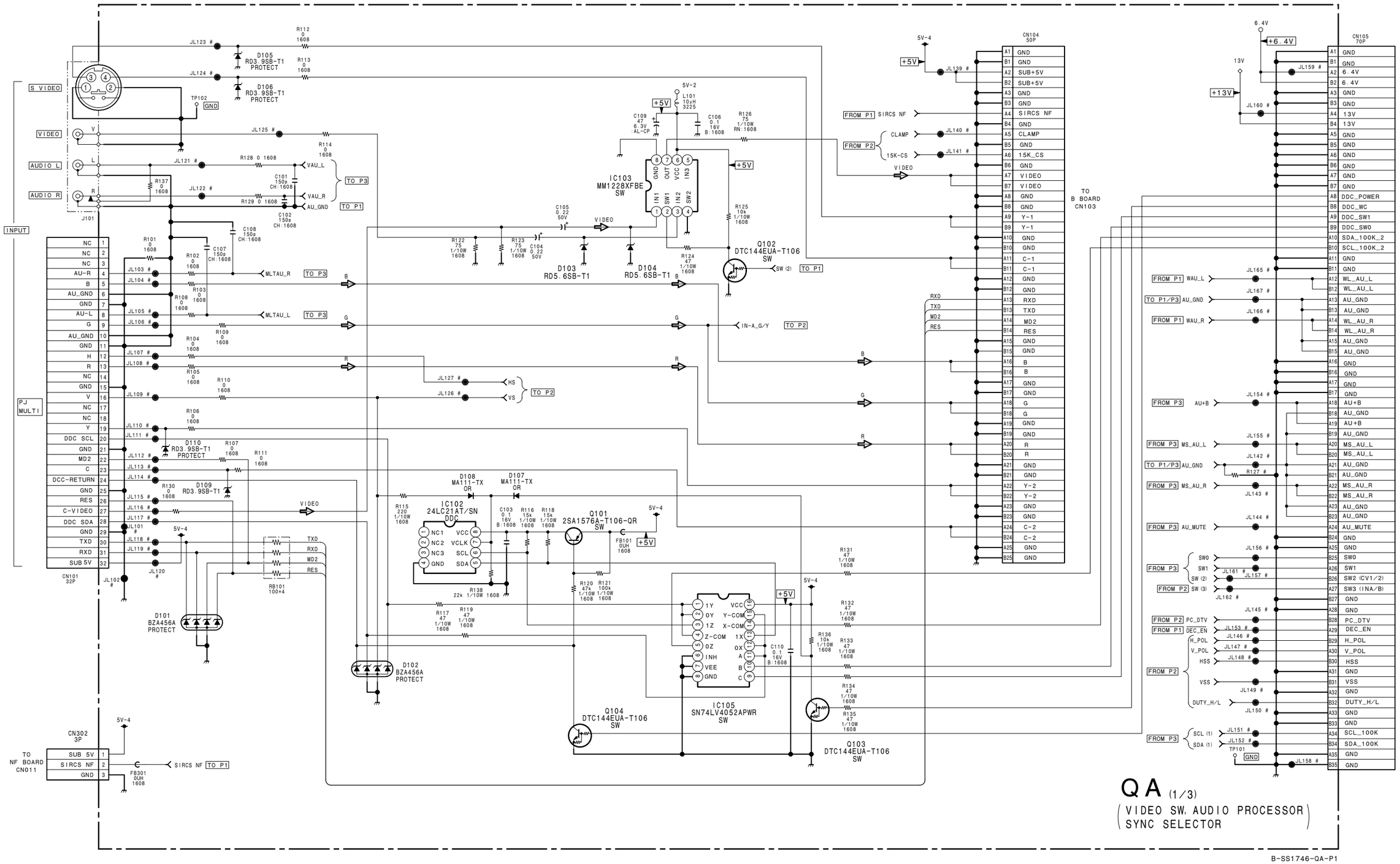


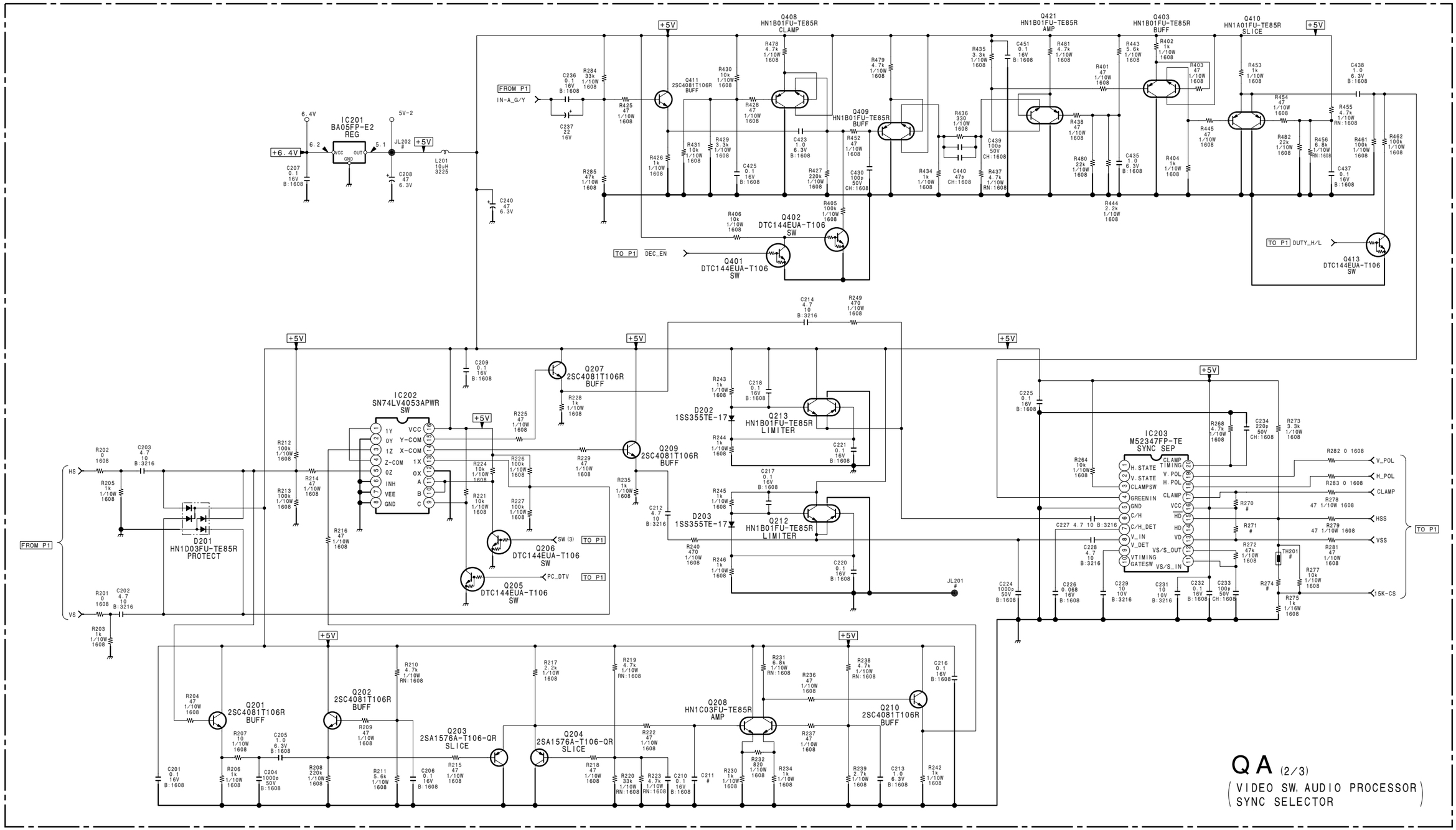


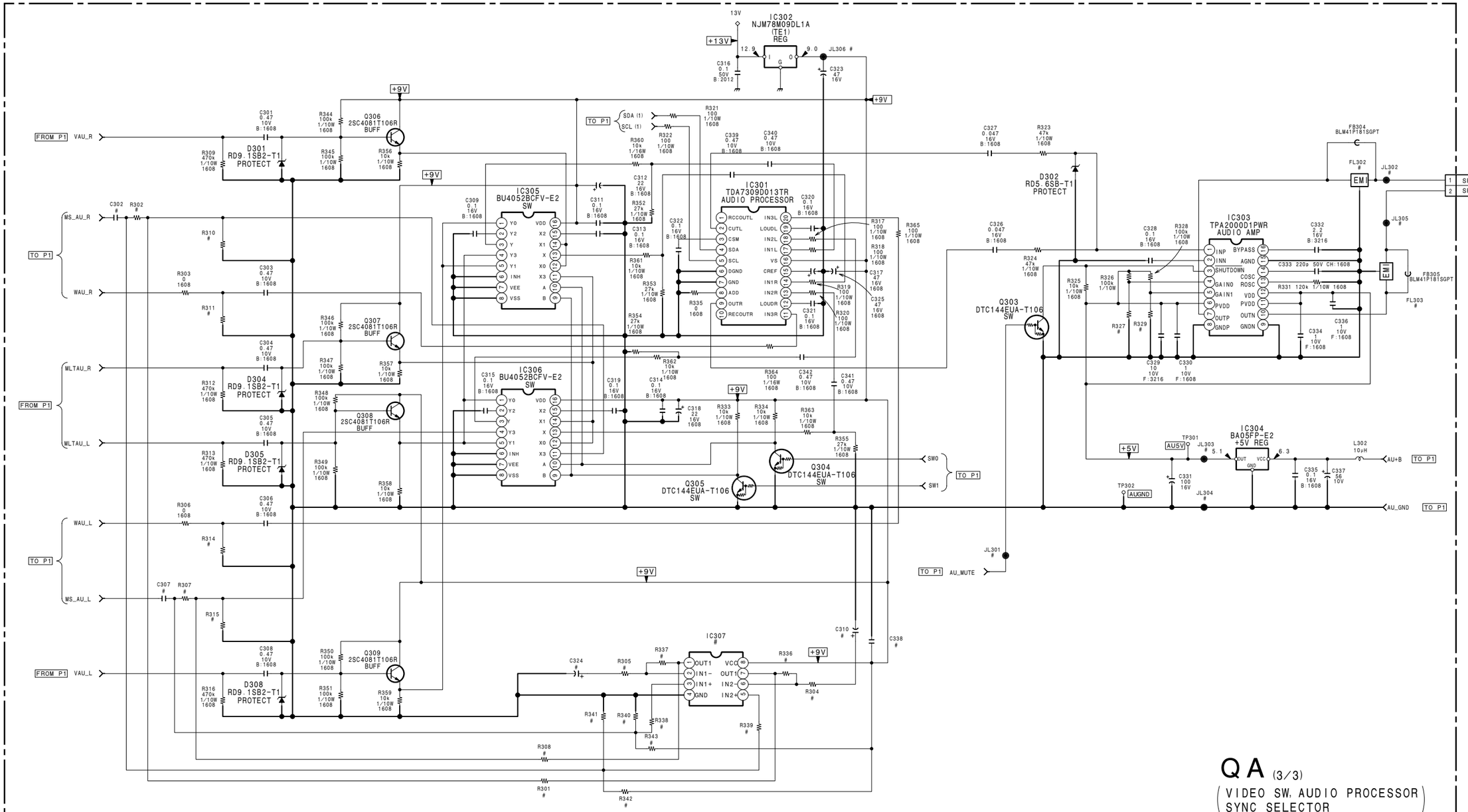
NR -A SIDE-
SUFFIX: -11



NR -B SIDE-
SUFFIX: -11

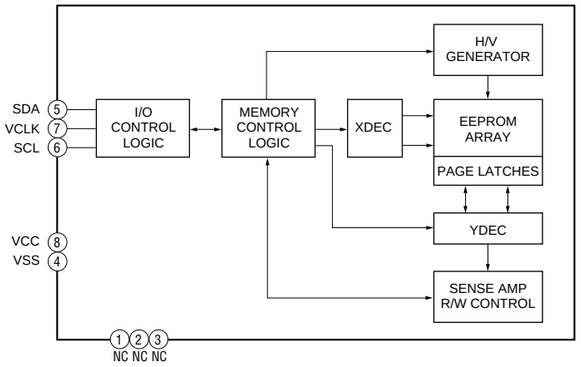

INPUT
S VIDEO
VIDEO
AUDIO L
AUDIO R
J101
TP102
GND
PJ MULTI
CN101 32P
CN104 50P
CN105 70P
CN302 3P
TO B BOARD CN103
TO B BOARD CN104
TO NF BOARD CN011
IC103 MM1228XFBE SW
IC102 24LC21AT/SN DDC
IC105 SN74LV4052APWR SW
Q101 2SA1576A-T106-QR SW
Q102 DTC144EUA-T106 SW
Q103 DTC144EUA-T106 SW
Q104 DTC144EUA-T106 SW
D101 BZA456A PROTECT
D102 BZA456A PROTECT
D103 RD5.6SB-T1
D104 RD5.6SB-T1
D105 RD3.9SB-T1 PROTECT
D106 RD3.9SB-T1 PROTECT
D107 MA111-TX OR
D108 MA111-TX OR
D109 RD3.9SB-T1
D110 RD3.9SB-T1 PROTECT
RB101 100×4
TO P1
TO P2
TO P3
FROM P1
FROM P2
FROM P3
TO P1/P3
QA (1/3)
VIDEO SW, AUDIO PROCESSOR
SYNC SELECTOR
B-SS1746-QA-P1


IC201
BA05FP-E2
REG
IC202
SN74LV4053APWR
SW
IC203
M52347FP-TE
SYNC SEP
Q401
DTC144EUA-T106
SW
Q402
DTC144EUA-T106
SW
Q403
HN1B01FU-TE85R
BUFF
Q408
HN1B01FU-TE85R
CLAMP
Q409
HN1B01FU-TE85R
BUFF
Q410
HN1A01FU-TE85R
SLICE
Q411
2SC4081T106R
BUFF
Q413
DTC144EUA-T106
SW
Q421
HN1B01FU-TE85R
AMP
Q201
2SC4081T106R
BUFF
Q202
2SC4081T106R
BUFF
Q203
2SA1576A-T106-QR
SLICE
Q204
2SA1576A-T106-QR
SLICE
Q205
DTC144EUA-T106
SW
Q206
DTC144EUA-T106
SW
Q207
2SC4081T106R
BUFF
Q208
HN1C03FU-TE85R
AMP
Q209
2SC4081T106R
BUFF
Q210
2SC4081T106R
BUFF
Q212
HN1B01FU-TE85R
LIMITER
Q213
HN1B01FU-TE85R
LIMITER
D201
HN1D03FU-TE85R
PROTECT
D202
1SS355TE-17
D203
1SS355TE-17
FROM P1
IN-A_G/Y
HS
VS
TO P1
DEC_EN
DUTY_H/L
PC_DTV
SW (3)
JL201
TH201
V_POL
H_POL
CLAMP
HSS
VSS
15K-CS
+5V
+6.4V
QA (2/3)
VIDEO SW, AUDIO PROCESSOR
SYNC SELECTOR
B-SS1746-QA-P2

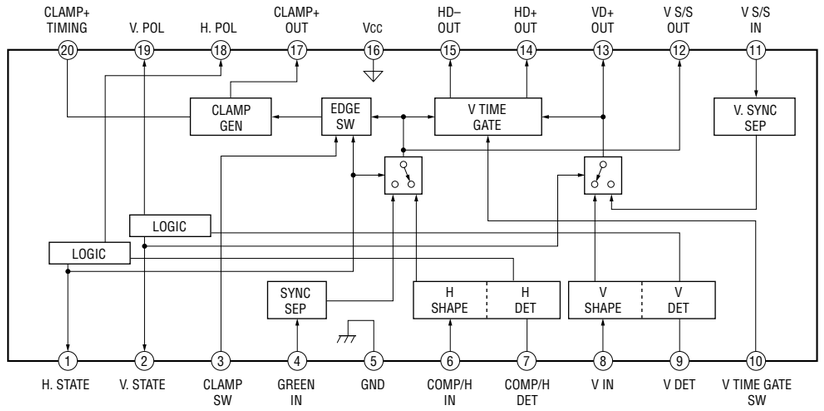


B-SS1746-QA-P3

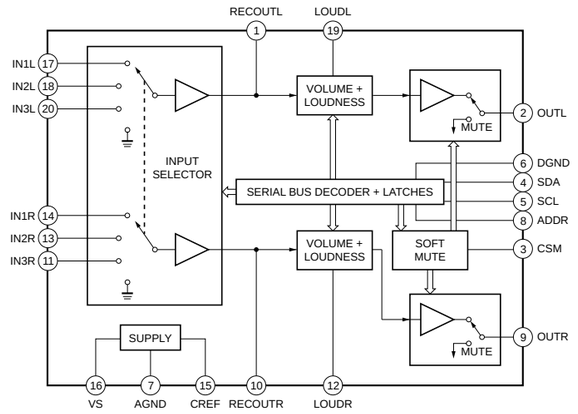
24LC21AT/SN (IC102)



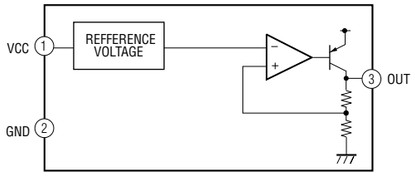
M52347FP-TE (IC203)



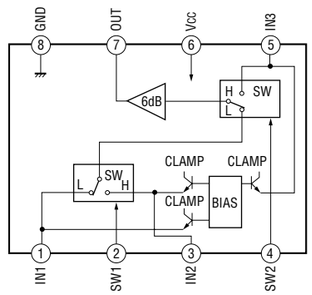
TDA7309D013TR (IC301)



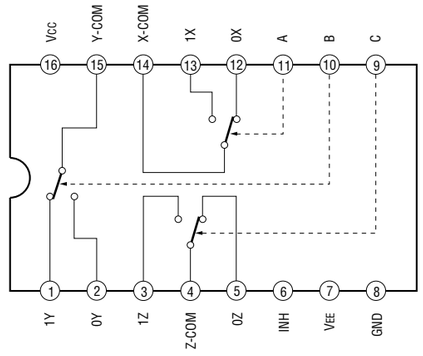
BA05FP-E2 (IC201, 304)



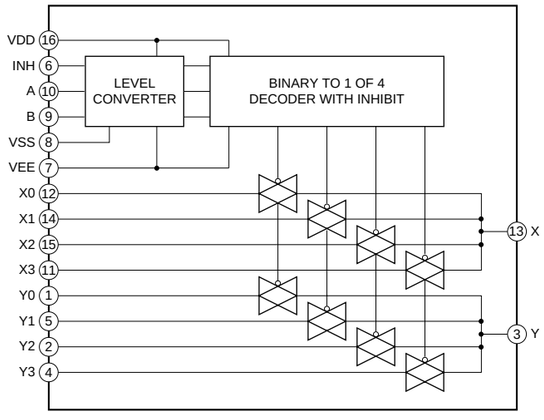
MM1228XFBE (IC103)



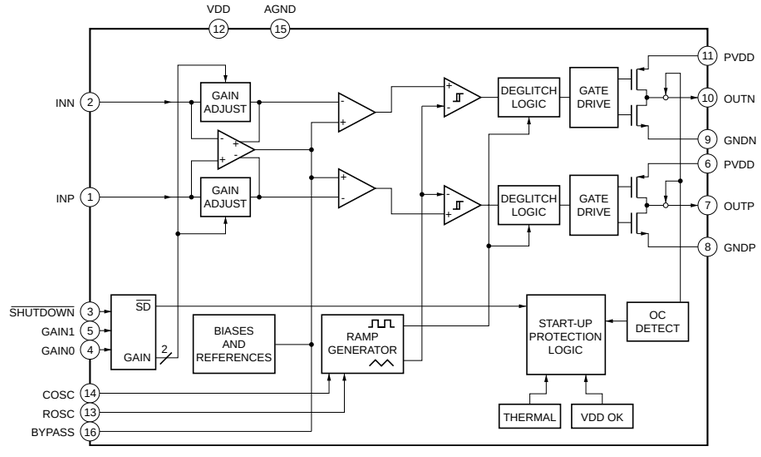
SN74LV4053APWR (IC202)

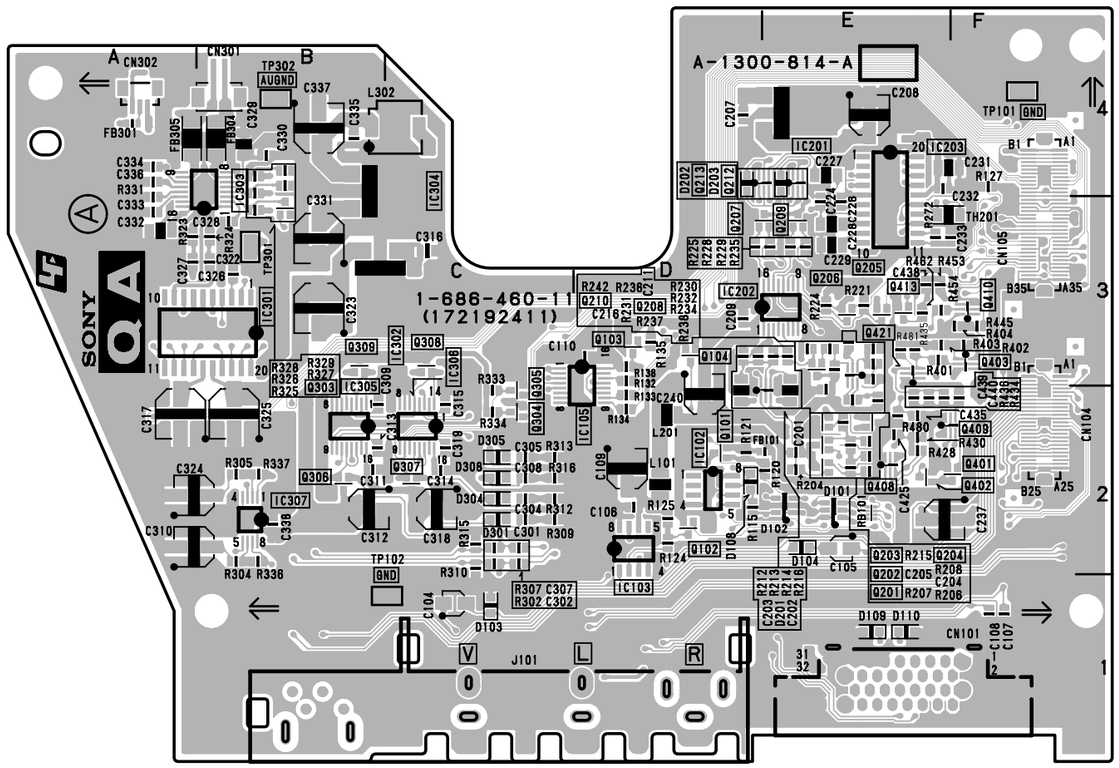


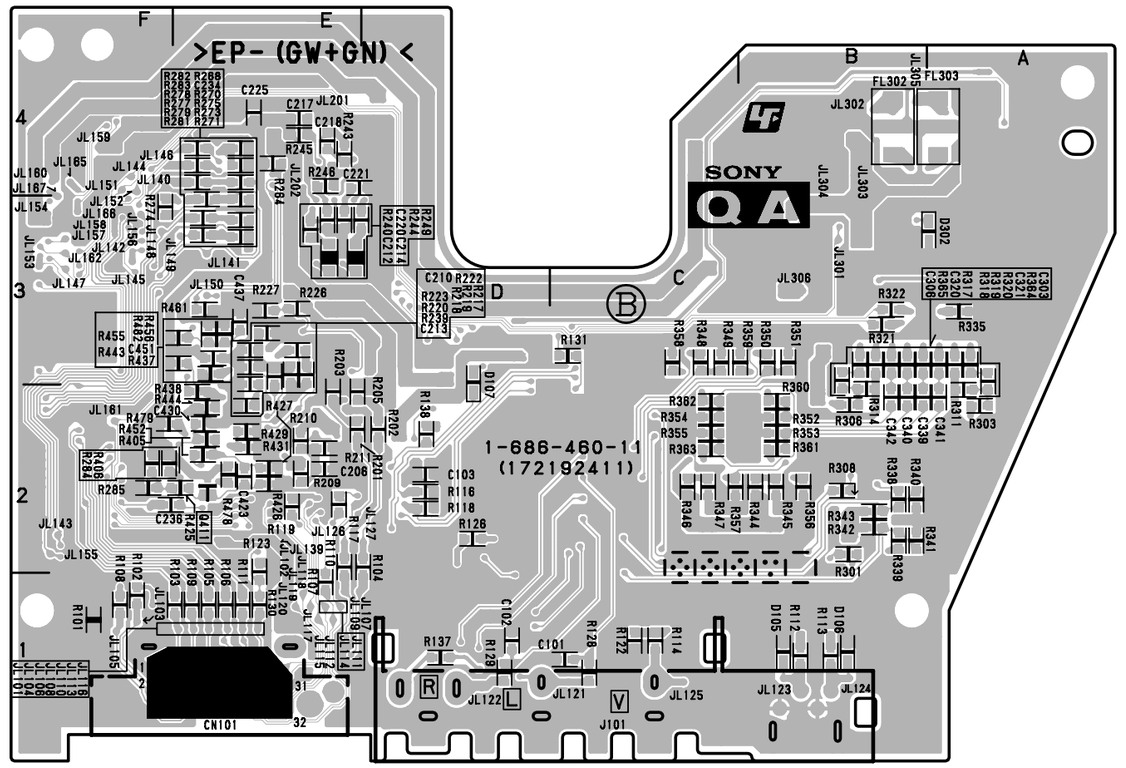
BU4052BCFV-E2 (IC305, 306)



TPA2000D1PW (IC303)







QA -A SIDE-

SUFFIX: -11

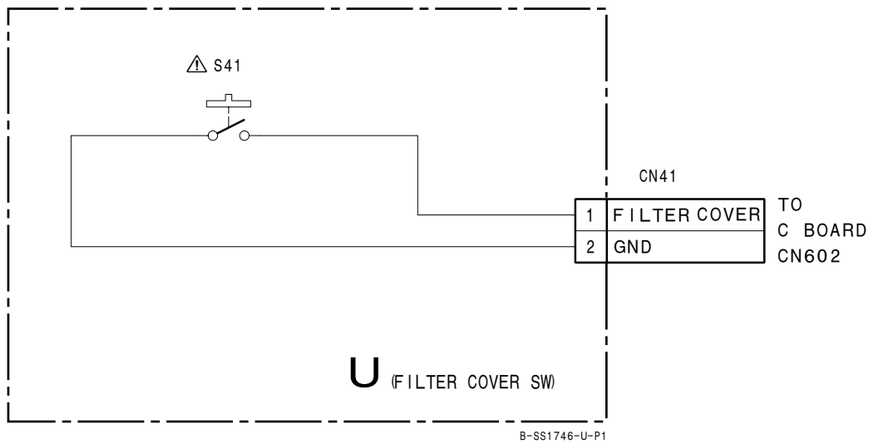
QA -B SIDE-

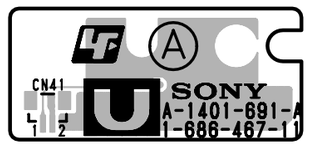
SUFFIX: -11

QA Board

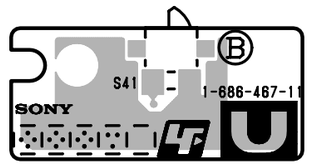
*:B SIDE

D101	E-2	Q103	D-3		
D102	E-2	Q104	D-3		
D103	C-1	Q201	E-1		
D104	E-2	Q202	E-2		
D105	*B-1	Q203	E-2		
D106	*B-1	Q204	F-2		
D107	*D-2	Q205	E-3		
D108	D-2	Q206	E-3		
D109	E-1	Q207	D-3		
D110	E-1	Q208	D-3		
D201	E-2	Q209	E-3		
D202	D-4	Q210	D-3		
D203	D-4	Q212	C-4		
D301	C-2	Q213	C-4		
D302	*A-3	Q303	B-2		
D304	C-2	Q304	C-2		
D305	C-2	Q305	C-2		
D308	C-2	Q306	B-2		
		Q307	C-2		
IC102	D-2	Q308	C-3		
IC103	D-2	Q309	B-3		
IC105	D-2	Q401	F-2		
IC201	E-4	Q402	E-2		
IC202	E-3	Q403	F-3		
IC203	E-4	Q408	E-2		
IC301	B-3	Q409	E-1		
IC302	C-2	Q410	F-3		
IC303	B-4	Q411	*E-2		
IC304	C-1	Q413	E-3		
IC305	B-2	Q421	E-3		
IC306	C-2				
IC307	B-2	TP101	F-4		
		TP102	C-1		
Q101	D-2	TP301	B-3		
Q102	D-2	TP302	B-4		





U -A SIDE-
SUFFIX: -11



U -B SIDE-
SUFFIX: -11

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

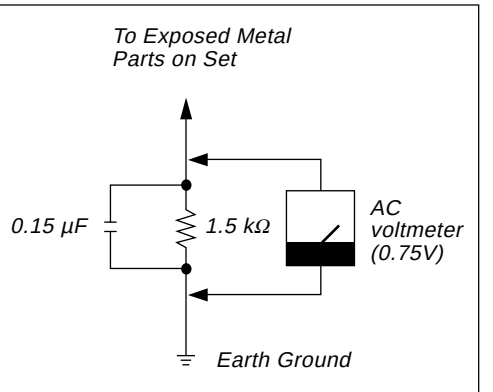


Fig A. Using an AC voltmeter to check AC leakage.

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